

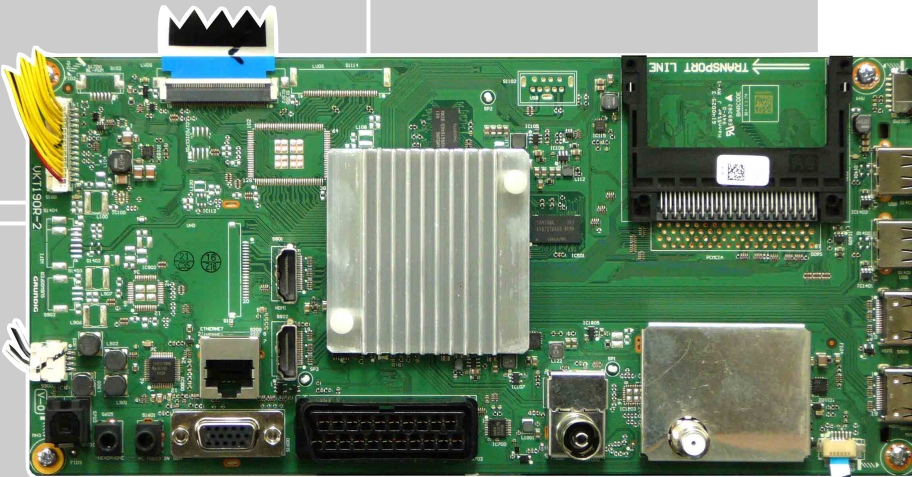
**NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY**

Service Manual

2. Ergänzung / Supplement 2

Chassis KT

48 VLX 881 BL	MJK000
48 VLX 7070 BL	MLS000
48 VLX 8481 WL	NVB000
48 VLX 8580 BL	MNW000
48 VLX 8580 SL	MNX000
48 VLX 8580 WL	MNY000
55 VLX 871 BL	MJJ000
55 VLX 881 BL	MJH000
55 VLX 890 BL	MJN000
55 VLX 7070 BL	MLT000
55 VLX 8580 BL	MNZ000
55 VLX 8580 SL	MPA000
55 VLX 8580 WL	MPB000
55 VLX 8590 HD	MPC000
Berlin 55 CLX 8595 HD	MSS000
Lugano 48 CLX 8585 SL	MNU000
Lugano 55 CLX 8585 SL	MNV000



Zusätzlich erforderliche Unterlagen für den Komplettservice
Additionally required Service Documents for the Complete Service

Service Manual

Sicherheit
Safety

Materialnr./Part No.
720108000001

Service Manual

Chassis
KT

Materialnr./Part No.
720100568000

Materialnummer / Part Number 720100568200

Änderungen vorbehalten / Subject to alteration

TCC 1216...0715 MP • Prepared in Germany

<http://www.grundig.com>

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Materialnummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

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Allgemeiner Teil

Einführung

In dieser Service-Manual-Ergänzung sind weitere Gerätevarianten dokumentiert, die mit dem Chassis KT ausgestattet sind. Des Weiteren sind die Platinenabbildungen und Schaltpläne der geänderten Platinen abgebildet.

Hinweis:

- Grundlage für den Service sind folgende Service Manuals:
- Service Manual Sicherheit, Materialnummer 720108000001
 - Service Manual Chassis KT, Materialnummer 720100568000

General Section

Introduction

This Supplement of Service Manual describes variants of alternative devices embedded with chassis KT. The modified layouts and circuit diagrams of boards are included.

Note:

- Basic instructions for servicing are given in following Service Manuals:
- Service Manual Safety, Part Number 720108000001
 - Service Manual Chassis KT, Part Number 720100568000

Technische Daten / Technical Data 48"

	48 VLX 881 BL	48 VLX 8481 WL	48 VLX 7070 BL
Order No.	MJK000	NVB000	MLS000
Product Code	MJK	NVB	MLS
Country	DE; AT	DE; AT	DE; AT
Approbations	CE	CE	CE
Remote control	TS4	TS4	TS4
EAN	40 13833-00357 1	40 13833-00247 5	40 13833-00445 5
Color	Black	White	Black
DISPLAY			
Panel	48"/121 cm	48"/121 cm	48"/121 cm
Backlight	DIRECT LED (BMS)	DIRECT LED (BMS)	DIRECT LED (BMS)
Wide-screen format	●	●	●
3D	Active Shutter	Active Shutter	Active Shutter
2D/3D Converter	●	●	●
Local / Micro Dimming	○ / ○	○ / ○	○ / ○
Dynamic contrast	DCR PLUS	DCR PLUS	DCR PLUS
HDR / Wide Color Gamut	○ / ○	○ / ○	○ / ○
Panel Frequency	100Hz	100Hz	100Hz
Physical display resolution max. pixel	UHD (3.840x2.160)	UHD (3.840x2.160)	UHD (3.840x2.160)
PICTURE			
Motion Picture Improvement (MEMC)	●	●	●
Motion Adaptive Deinterlacing	3D DeInterlacer	3D DeInterlacer	3D DeInterlacer
Line Flicker Reduction	●	●	●
Digital Color Transition Improv. (DCTI)	●	●	●
Digital Combfilter	3D	3D	3D
Digital Luminance Trans. Improv. (DLTI)	●	●	●
Picture Noise Reduction	●	●	●
Preset picture modes	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama
PIP	○	○	○
PAT: Split screen (PICTURE + TEXT)	●	●	●
PAP: Double Window (PICT. + PICT.)	○	○	○
Picture freezing	●	●	●
Zoom with point function	●	●	●
Blue Background	Possible via service adjustment	Possible via service adjustment	Possible via service adjustment
AUDIO			
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●	● / ● / ●
Loudspeaker	2 wide band at the front side	2 wide band at the front side	2 wide band at the front side
SRS	●	●	●
Dolby digital	●	●	●
Subwoofer	10/20W nominal/music power	10/20W nominal/music power	10/20W nominal/music power
AVL (Audio Volume Level)	●	●	●
Equalizer	5 Band	5 Band	5 Band
Space Sound Effect	○	○	○
Sound preset	natural, music, speech, user	natural, music, speech, user	natural, music, speech, user
Audio amplifier	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)
CHASSIS			
TV-Chassis	KT	KT	KT
Scaler	MSTAR ARM	MSTAR ARM	MSTAR ARM
Keyboard	Joystick	Joystick	Joystick
ELECTRONIC			
Stand by indicator	Blue Led	Blue Led	Blue Led
Programmable off timer	●	●	●
Programmable on timer	●	●	●
Zap / Swap	● / ○	● / ○	● / ○
Programme Edit	●	●	●
Auto switch off	●	●	●
Programme memory TV/AV (opt.)	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●	● / ● / ●
Teletext options	1000 pages	1000 pages	1000 pages
Hbb TV	●	●	●
HEVC/H.265	○	○	○
Childlock	●	●	●
Menu languages OSD	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE
Game mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
Digi Link	●	●	●
Miracast	One Way	One Way	One Way
Special feature	○	○	○
Wifi	Internal	Internal	Internal
DLNA	●	●	●
DLNA Supported Format	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG
Internet Applications	●	●	●
Netflix	●	●	●
Smart Inter@ctive TV 3.0	●	●	●
Online SW Update	●	●	●
RC over IP	smart phones/tablets	smart phones/tablets	smart phones/tablets
Bluetooth (TV)	●	●	●
Easy use remote control compatible	with headphone output and gyro function	with headphone output and gyro function	with headphone output and gyro function
TUNING			
Autom. Tuning System w. country select.	full automatic sorting	full automatic sorting	full automatic sorting
Manual fine tuning	●	●	●
Direct channel selection	●	●	●
Direct frequency selection	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu
PAL/SECAM/BG/DK/I/L/L	●	●	●
NTSC-Playback via Scart (3,58/4,43)	●	●	●
DVB reception			
Fully compliant to	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)
Automatic/manual channel search	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting
EPG (SI based)	●	●	●
EPG (Electronic Programme Guide)	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2
- now/next	●	●	●
- scheduled	If broadcasted	If broadcasted	If broadcasted
- Extended Event Info	If broadcasted	If broadcasted	If broadcasted
- Short Event Info	If broadcasted	If broadcasted	If broadcasted
VPS - VBI insertion	PDC based	PDC based	PDC based
Programme table	full automatic sorting	full automatic sorting	full automatic sorting

	48 VLX 881 BL	48 VLX 8481 WL	48 VLX 7070 BL
DVB-C Front end			
Input frequency (MHz)	47 - 862 VHF & UHF	47 - 862 VHF & UHF	47 - 862 VHF & UHF
Input level / Impedance	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm
Demodulation / Symbol rate Ms/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s
DVB-S2 Front end			
Input frequency range	950 MHz to 2150 MHz	950 MHz to 2150 MHz	950 MHz to 2150 MHz
Signal level	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)
Demodulation	QPSK, 8PSK	QPSK, 8PSK	QPSK, 8PSK
Input symbol rate	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2
DiseqC 1.2 support	●	●	●
LNB power & Polarization	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection
FEC MODE	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10
Unicable	●	●	●
DVB-T Front end			
Input frequency (MHz) / Loop through	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O
Input level / Impedance	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm
Modulation	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM
FEC Mode	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Activ antenna support	●	●	●
DVB-T2 Front end			
Input frequency range	○	○	○
Input level / Impedance	○	○	○
Modulation	○	○	○
FEC Mode	○	○	○
Activ antenna support	○	○	○
Video Decoder			
MPEG profiles	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0
Resolution	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p
Picture formats	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle
Audio Decoder			
Profiles	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II
AC 3 Output	SP/DIF	SP/DIF	SP/DIF
Modes	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo
Software			
Service information processing	Dynamic PMT	Dynamic PMT	Dynamic PMT
DVB subtitles	●	●	●
Over air download (OTA)	DVB enhanced profile	DVB enhanced profile	DVB enhanced profile
Last station memory	from stand-by, as TV	from stand-by, as TV	from stand-by, as TV
Favourite mode	4x free	4x free	4x free
Mute function	●	●	●
USB part			
Recording	twin mode recording	twin mode recording	twin mode recording
Divx + HD	○	○	○
Repeat	●	●	●
File browser	●	●	●
Video file resolution (max.)	1920 x 1080	1920 x 1080	1920 x 1080
Supported files	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264
Supported subtitles	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB
POWER SUPPLY / CABINET			
Power voltage	220-240V	220-240V	220-240V
Range of regulation			
Power frequency	50-60Hz	50-60Hz	50-60Hz
Power switch	Hard switch	Hard switch	Hard switch
Integrated supply	●	●	●
Plug-in AC adaptor	○	○	○
Energy class	A	A	A
Nominal Power Consumption	85,1W	85,1W	85,1W
Stand-by Power Consumption	0,3W	0,3W	0,3W
Annual On-Mode Energy Consumption	124kWh	124kWh	124kWh
Cabinet without stand (WxHxD)	1087 x 663 x 62,5mm	1087 x 663 x 62,5mm	1087 x 663 x 62,5mm
Cabinet with stand (WxHxD)	1087 x 698 x 235mm	1087 x 698 x 235mm	1087 x 698 x 235mm
Weight - Unpacked	ca. 12,5kg	ca. 12,5kg	ca. 12,5kg
REAR PANEL CONNECTIONS			
Euro-AV-Socket AV1	Full wired	Full wired	Full wired
S-Video	Via Scart	Via Scart	Via Scart
Camera-AV	Via Scart	Via Scart	Via Scart
LAN	●	●	●
YUV input / progressive	via VGA	via VGA	via VGA
PC-input	VGA	VGA	VGA
PC-Audio in	●	●	●
HDMI 1.4 / 2.0	2 / 2	2 / 2	2 / 2
- MHL 2.0	via HDMI1	via HDMI1	via HDMI1
- ARC	via HDMI4	via HDMI4	via HDMI4
- 4k2k	via HDMI3/4	via HDMI3/4	via HDMI3/4
- HD ready including HDCP	via HDMI	via HDMI	via HDMI
Common Interface	(CI+) x2	(CI+) x2	(CI+) x2
Headphones	3.5mm jack	3.5mm jack	3.5mm jack
Digital Audio out optical (SPDIF)	optical	optical	optical
Audio out	○	○	○
USB 2.0 / 3.0	2 / 1	2 / 1	2 / 1
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
Antenna for satellite reception	1 x F-connector	1 x F-connector	1 x F-connector
DC-connector	○	○	○
Power supply plug	●	●	●
SUPPLIED ACCESSORIES			
Wi-Fi Dongle	○	○	○
Remote control (incl. battery)	TS4	TS4	TS4
3D Glasses	○	x2	x2
Power cord	●	●	●
Instruction manual	●	●	●
Wall fixture (mm)	Prepared for VESA standard adaptor 300 x 200	Prepared for VESA standard adaptor 300 x 200	Prepared for VESA standard adaptor 300 x 200
Stand	●	aluminium stand	aluminium stand
Stand Foot Distance			
Cleaning tissue	○	○	○

Technische Daten / Technical Data 48"

	48 VLX 8580 BL	48 VLX 8580 SL	48 VLX 8580 WL
Order No.	MNW000	MXN000	MNY000
Product Code	MNW	MXN	MNY
Country	DE; AT	DE; AT	DE; AT
Approbations	CE	CE	CE
Remote control	TS4	TS4	TS4
EAN	40 13833-00522 3	40 13833-00523 0	40 13833-00524 7
Color	Black	Silver	White
DISPLAY			
Panel	48"/121 cm	48"/121 cm	48"/121 cm
Backlight	DIRECT LED (BMS)	DIRECT LED (BMS)	DIRECT LED (BMS)
Wide-screen format	●	●	●
3D	Active Shutter	Active Shutter	Active Shutter
2D/3D Converter	●	●	●
Local / Micro Dimming	○ / ○	○ / ○	○ / ○
Dynamic contrast	DCR PLUS	DCR PLUS	DCR PLUS
HDR / Wide Color Gamut	○ / ○	○ / ○	○ / ○
Panel Frequency	100Hz	100Hz	100Hz
Physical display resolution max. pixel	UHD (3.840x2.160)	UHD (3.840x2.160)	UHD (3.840x2.160)
PICTURE			
Motion Picture Improvement (MEMC)	●	●	●
Motion Adaptive Deinterlacing	3D DeInterlacer	3D DeInterlacer	3D DeInterlacer
Line Flicker Reduction	●	●	●
Digital Color Transition Improv. (DCTI)	●	●	●
Digital Combfilter	3D	3D	3D
Digital Luminance Trans. Improv. (DLTI)	●	●	●
Picture Noise Reduction	●	●	●
Preset picture modes	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama
PIP	○	○	○
PAT: Split screen (PICTURE + TEXT)	●	●	●
PAP: Double Window (PICT. + PICT.)	○	○	○
Picture freezing	●	●	●
Zoom with point function	●	●	●
Blue Background	Possible via service adjustment	Possible via service adjustment	Possible via service adjustment
AUDIO			
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●	● / ● / ●
Loudspeaker	2 wide band at the front side	2 wide band at the front side	2 wide band at the front side
SRS	●	●	●
Dolby digital	●	●	●
Subwoofer	10/20W nominal/music power	10/20W nominal/music power	10/20W nominal/music power
AVL (Audio Volume Level)	●	●	●
Equalizer	5 Band	5 Band	5 Band
Space Sound Effect	○	○	○
Sound preset	natural, music, speech, user	natural, music, speech, user	natural, music, speech, user
Audio amplifier	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)
CHASSIS			
TV-Chassis	KT	KT	KT
Scaler	MSTAR ARM	MSTAR ARM	MSTAR ARM
Keyboard	Joystick	Joystick	Joystick
ELECTRONIC			
Stand by indicator	Blue Led	Blue Led	Blue Led
Programmable off timer	●	●	●
Programmable on timer	●	●	●
Zap / Swap	● / ○	● / ○	● / ○
Programme Edit	●	●	●
Auto switch off	●	●	●
Programme memory TV/AV (opt.)	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●	● / ● / ●
Teletext options	1000 pages	1000 pages	1000 pages
Hbb TV	●	●	●
HEVC/H.265	○	○	○
Childlock	○	○	○
Menu languages OSD	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE
Game mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
Digi Link	●	●	●
Miracast	One Way	One Way	One Way
Special feature	○	○	○
Wifi	Internal	Internal	Internal
DLNA	●	●	●
DLNA Supported Format	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG
Internet Applications	●	●	●
Netflix	●	●	●
Smart Inter@ctive TV 3.0	●	●	●
Online SW Update	●	●	●
RC over IP	smart phones/tablets	smart phones/tablets	smart phones/tablets
Bluetooth (TV)	●	●	●
Easy use remote control compatible	with headphone output and gyro function	with headphone output and gyro function	with headphone output and gyro function
TUNING			
Autom. Tuning System w. country select.	full automatic sorting	full automatic sorting	full automatic sorting
Manual fine tuning	●	●	●
Direct channel selection	●	●	●
Direct frequency selection	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu
PAL/SECAM/BG/DK/I/L/L	●	●	●
NTSC-Playback via Scart (3,58/4,43)	●	●	●
DVB reception			
Fully compliant to	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)
Automatic/manual channel search	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting
EPG (SI based)	●	●	●
EPG (Electronic Programme Guide)	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2
- now/next	●	●	●
- scheduled	If broadcasted	If broadcasted	If broadcasted
- Extended Event Info	If broadcasted	If broadcasted	If broadcasted
- Short Event Info	If broadcasted	If broadcasted	If broadcasted
VPS - VBI insertion	PDC based	PDC based	PDC based
Programme table	full automatic sorting	full automatic sorting	full automatic sorting

	48 VLX 8580 BL	48 VLX 8580 SL	48 VLX 8580 WL
DVB-C Front end			
Input frequency (MHz)	47 - 862 VHF & UHF	47 - 862 VHF & UHF	47 - 862 VHF & UHF
Input level / Impedance	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm
Demodulation / Symbol rate Ms/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s
DVB-S2 Front end			
Input frequency range	950 MHz to 2150 MHz	950 MHz to 2150 MHz	950 MHz to 2150 MHz
Signal level	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)
Demodulation	QPSK, 8PSK	QPSK, 8PSK	QPSK, 8PSK
Input symbol rate	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2
DiseqC 1.2 support	●	●	●
LNB power & Polarization	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection
FEC MODE	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10
Unicable	●	●	●
DVB-T Front end			
Input frequency (MHz) / Loop through	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O
Input level / Impedance	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm
Modulation	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM
FEC Mode	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Activ antenna support	●	●	●
DVB-T2 Front end			
Input frequency range	○	○	○
Input level / Impedance	○	○	○
Modulation	○	○	○
FEC Mode	○	○	○
Activ antenna support	○	○	○
Video Decoder			
MPEG profiles	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0
Resolution	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p
Picture formats	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle
Audio Decoder			
Profiles	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II
AC 3 Output	SP/DIF	SP/DIF	SP/DIF
Modes	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo
Software			
Service information processing	Dynamic PMT	Dynamic PMT	Dynamic PMT
DVB subtitles	●	●	●
Over air download (OTA)	DVB enhanced profile	DVB enhanced profile	DVB enhanced profile
Last station memory	from stand-by, as TV	from stand-by, as TV	from stand-by, as TV
Favourite mode	4x free	4x free	4x free
Mute function	●	●	●
USB part			
Recording	twin mode recording	twin mode recording	twin mode recording
Divx + HD	○	○	○
Repeat	●	●	●
File browser	●	●	●
Video file resolution (max.)	1920 x 1080	1920 x 1080	1920 x 1080
Supported files	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264
Supported subtitles	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB
POWER SUPPLY / CABINET			
Power voltage	220-240V	220-240V	220-240V
Range of regulation			
Power frequency	50-60Hz	50-60Hz	50-60Hz
Power switch	Hard switch	Hard switch	Hard switch
Integrated supply	●	●	●
Plug-in AC adaptor	○	○	○
Energy class	A	A	A
Nominal Power Consumption	85,1W	85,1W	85,1W
Stand-by Power Consumption	0,3W	0,3W	0,3W
Annual On-Mode Energy Consumption	124kWh	124kWh	124kWh
Cabinet without stand (WxHxD)	1087 x 663 x 62,5mm	1087 x 663 x 62,5mm	1087 x 663 x 62,5mm
Cabinet with stand (WxHxD)	1087 x 698 x 235mm	1087 x 698 x 235mm	1087 x 698 x 235mm
Weight - Unpacked	ca. 12,5kg	ca. 12,8kg	ca. 13,0kg
REAR PANEL CONNECTIONS			
Euro-AV-Socket AV1	Full wired	Full wired	Full wired
S-Video	Via Scart	Via Scart	Via Scart
Camera-AV	Via Scart	Via Scart	Via Scart
LAN	●	●	●
YUV input / progressive	via VGA	via VGA	via VGA
PC-input	VGA	VGA	VGA
PC-Audio in	●	●	●
HDMI 1.4 / 2.0	2 / 2	2 / 2	2 / 2
- MHL 2.0	via HDMI1	via HDMI1	via HDMI1
- ARC	via HDMI4	via HDMI4	via HDMI4
- 4k2k	via HDMI3/4	via HDMI3/4	via HDMI3/4
- HD ready including HDCP	via HDMI	via HDMI	via HDMI
Common Interface	(CI+) x2	(CI+) x2	(CI+) x2
Headphones	3.5mm jack	3.5mm jack	3.5mm jack
Digital Audio out optical (SPDIF)	optical	optical	optical
Audio out	○	○	○
USB 2.0 / 3.0	2 / 1	2 / 1	2 / 1
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
Antenna for satellite reception	1 x F-connector	1 x F-connector	1 x F-connector
DC-connector	○	○	○
Power supply plug	●	●	●
SUPPLIED ACCESSORIES			
Wi-Fi Dongle	○	○	○
Remote control (incl. battery)	TS4	TS4	TS4
3D Glasses	x2	x2	x2
Power cord	●	●	●
Instruction manual	●	●	●
Wall fixture (mm)	Prepared for VESA standard adaptor 300 x 200	Prepared for VESA standard adaptor 300 x 200	Prepared for VESA standard adaptor 300 x 200
Stand	aluminium stand	aluminium stand	aluminium stand
Stand Foot Distance			
Cleaning tissue	○	○	○

Technische Daten / Technical Data 48"/55"

	Lugano 48 CLX 8585 SL	55 VLX 871 BL	55 VLX 881 BL
Order No.	MNU000	MJJ000	MJH000
Product Code	MNU	MJJ	MJH
Country	DE; AT	DE; AT	DE; AT
Approbations	CE	CE	CE
Remote control	TS4 + Comfort Remote	TS4	TS4
EAN	40 13833-00520 9	40 13833-00358 8	40 13833-00359 5
Color	Silver	Black	Black
DISPLAY			
Panel	48"/121 cm	55"/139 cm	55"/139 cm
Backlight	DIRECT LED (BMS)	DIRECT LED (BMS)	DIRECT LED (BMS)
Wide-screen format	●	●	●
3D	Active Shutter	Active Shutter	Active Shutter
2D/3D Converter	●	●	●
Local / Micro Dimming	○ / ○	○ / ○	○ / ○
Dynamic contrast	DCR PLUS	DCR PLUS	DCR PLUS
HDR / Wide Color Gamut	○ / ○	○ / ○	○ / ○
Panel Frequency	100Hz	100Hz	100Hz
Physical display resolution max. pixel	UHD (3.840x2.160)	UHD (3.840x2.160)	UHD (3.840x2.160)
PICTURE			
Motion Picture Improvement (MEMC)	●	●	●
Motion Adaptive Deinterlacing	3D DeInterlacer	3D DeInterlacer	3D DeInterlacer
Line Flicker Reduction	●	●	●
Digital Color Transition Improv. (DCTI)	●	●	●
Digital Combfilter	3D	3D	3D
Digital Luminance Trans. Improv. (DLTI)	●	●	●
Picture Noise Reduction	●	●	●
Preset picture modes	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama
PIP	○	○	○
PAT: Split screen (PICTURE + TEXT)	●	●	●
PAP: Double Window (PICT. + PICT.)	○	○	○
Picture freezing	●	●	●
Zoom with point function	●	●	●
Blue Background	Possible via service adjustment	Possible via service adjustment	Possible via service adjustment
AUDIO			
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●	● / ● / ●
Loudspeaker	2 wide band at the front side	2 wide band at the front side	2 wide band at the front side
SRS	●	●	●
Dolby digital	●	●	●
Subwoofer	10/20W nominal/music power	10/20W nominal/music power	10/20W nominal/music power
AVL (Audio Volume Level)	●	●	●
Equalizer	5 Band	5 Band	5 Band
Space Sound Effect	○	○	○
Sound preset	natural, music, speech, user	natural, music, speech, user	natural, music, speech, user
Audio amplifier	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)
CHASSIS			
TV-Chassis	KT	KT	KT
Scaler	MSTAR ARM	MSTAR ARM	MSTAR ARM
Keyboard	Joystick	Joystick	Joystick
ELECTRONIC			
Stand by indicator	Blue Led	Blue Led	Blue Led
Programmable off timer	●	●	●
Programmable on timer	●	●	●
Zap / Swap	● / ○	● / ○	● / ○
Programme Edit	●	●	●
Auto switch off	●	●	●
Programme memory TV/AV (opt.)	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●	● / ● / ●
Teletext options	1000 pages	1000 pages	1000 pages
Hbb TV	●	●	●
HEVC/H.265	○	○	○
Childlock	●	●	●
Menu languages OSD	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE
Game mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
Digi Link	●	●	●
Miracast	One Way	One Way	One Way
Special feature	○	○	○
Wifi	Internal	Internal	Internal
DLNA	●	●	●
DLNA Supported Format	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG
Internet Applications	●	●	●
Netflix	●	●	●
Smart Inter@ctive TV 3.0	●	●	●
Online SW Update	●	●	●
RC over IP	smart phones/tablets	smart phones/tablets	smart phones/tablets
Bluetooth (TV)	●	●	●
Easy use remote control compatible	with headphone output and gyro function	with headphone output and gyro function	with headphone output and gyro function
TUNING			
Autom. Tuning System w. country select.	full automatic sorting	full automatic sorting	full automatic sorting
Manual fine tuning	●	●	●
Direct channel selection	●	●	●
Direct frequency selection	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu
PAL/SECAM/BG/DK/I/L/L	●	●	●
NTSC-Playback via Scart (3,58/4,43)	●	●	●
DVB reception			
Fully compliant to	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)
Automatic/manual channel search	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting
EPG (SI based)	●	●	●
EPG (Electronic Programme Guide)	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2
- now/next	●	●	●
- scheduled	If broadcasted	If broadcasted	If broadcasted
- Extended Event Info	If broadcasted	If broadcasted	If broadcasted
- Short Event Info	If broadcasted	If broadcasted	If broadcasted
VPS - VBI insertion	PDC based	PDC based	PDC based
Programme table	full automatic sorting	full automatic sorting	full automatic sorting

	Lugano 48 CLX 8585 SL	55 VLX 871 BL	55 VLX 881 BL
DVB-C Front end			
Input frequency (MHz)	47 - 862 VHF & UHF	47 - 862 VHF & UHF	47 - 862 VHF & UHF
Input level / Impedance	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm
Demodulation / Symbol rate Ms/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s
DVB-S2 Front end			
Input frequency range	950 MHz to 2150 MHz	950 MHz to 2150 MHz	950 MHz to 2150 MHz
Signal level	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)
Demodulation	QPSK, 8PSK	QPSK, 8PSK	QPSK, 8PSK
Input symbol rate	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2
DiseqC 1.2 support	●	●	●
LNB power & Polarization	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection
FEC MODE	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10
Unicable	●	●	●
DVB-T Front end			
Input frequency (MHz) / Loop through	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O
Input level / Impedance	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm
Modulation	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM
FEC Mode	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Activ antenna support	●	●	●
DVB-T2 Front end			
Input frequency range	○	○	○
Input level / Impedance	○	○	○
Modulation	○	○	○
FEC Mode	○	○	○
Activ antenna support	○	○	○
Video Decoder			
MPEG profiles	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0
Resolution	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p
Picture formats	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle
Audio Decoder			
Profiles	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II
AC 3 Output	SP/DIF	SP/DIF	SP/DIF
Modes	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo
Software			
Service information processing	Dynamic PMT	Dynamic PMT	Dynamic PMT
DVB subtitles	●	●	●
Over air download (OTA)	DVB enhanced profile	DVB enhanced profile	DVB enhanced profile
Last station memory	from stand-by, as TV	from stand-by, as TV	from stand-by, as TV
Favourite mode	4x free	4x free	4x free
Mute function	●	●	●
USB part			
Recording	twin mode recording	twin mode recording	twin mode recording
Divx + HD	○	○	○
Repeat	●	●	●
File browser	●	●	●
Video file resolution (max.)	1920 x 1080	1920 x 1080	1920 x 1080
Supported files	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264
Supported subtitles	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB
POWER SUPPLY / CABINET			
Power voltage	220-240V	220-240V	220-240V
Range of regulation			
Power frequency	50-60Hz	50-60Hz	50-60Hz
Power switch	Hard switch	Hard switch	Hard switch
Integrated supply	●	●	●
Plug-in AC adaptor	○	○	○
Energy class	A	A	A
Nominal Power Consumption	85,1W	110W	110W
Stand-by Power Consumption	0,3W	0,3W	0,3W
Annual On-Mode Energy Consumption	124kWh	161kWh	161kWh
Cabinet without stand (WxHxD)	1087 x 663 x 62,5mm	1242 x 750 x 62mm	1242 x 750 x 62mm
Cabinet with stand (WxHxD)	1087 x 698 x 235mm	1242 x 785 x 235mm	1242 x 785 x 235mm
Weight - Unpacked	ca. 12,5kg	ca. 14,6kg	ca. 14,4kg
REAR PANEL CONNECTIONS			
Euro-AV-Socket AV1	Full wired	Full wired	Full wired
S-Video	Via Scart	Via Scart	Via Scart
Camera-AV	Via Scart	Via Scart	Via Scart
LAN	●	●	●
YUV input / progressive	via VGA	via VGA	via VGA
PC-input	VGA	VGA	VGA
PC-Audio in	●	●	●
HDMI 1.4 / 2.0	2 / 2	2 / 2	2 / 2
- MHL 2.0	via HDMI1	via HDMI1	via HDMI1
- ARC	via HDMI4	via HDMI4	via HDMI4
- 4k2k	via HDMI3/4	via HDMI3/4	via HDMI3/4
- HD ready including HDCP	via HDMI	via HDMI	via HDMI
Common Interface	(CI+) x2	(CI+) x2	(CI+) x2
Headphones	3.5mm jack	3.5mm jack	3.5mm jack
Digital Audio out optical (SPDIF)	optical	optical	optical
Audio out	○	○	○
USB 2.0 / 3.0	2 / 1	2 / 1	2 / 1
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
Antenna for satellite reception	1 x F-connector	1 x F-connector	1 x F-connector
DC-connector	○	○	○
Power supply plug	●	●	●
SUPPLIED ACCESSORIES			
Wi-Fi Dongle	○	○	○
Remote control (incl. battery)	TS4 + Comfort Remote	TS4	TS4
3D Glasses	x2	○	○
Power cord	●	●	●
Instruction manual	●	●	●
Wall fixture (mm)	Prepared for VESA standard adaptor 300 x 200	Prepared for VESA standard adaptor 400 x 200	Prepared for VESA standard adaptor 400 x 200
Stand	aluminium stand	aluminium stand	●
Stand Foot Distance			
Cleaning tissue	○	○	○

Technische Daten / Technical Data 55"

	55 VLX 890 BL	55 VLX 7070 BL	55 VLX 8580 BL
Order No.	MJN000	MLT000	MNZ000
Product Code	MJN	MLT	MNZ
Country	DE; AT	DE; AT	DE; AT
Approbations	CE	CE	CE
Remote control	TS4 + Comfort Remote	TS4	TS4
EAN	40 13833-00368 7	40 13833-00446 2	40 13833-00525 4
Color	Black	Black	Black
DISPLAY			
Panel	55"/139 cm	55"/139 cm	55"/139 cm
Backlight	DIRECT LED (BMS)	DIRECT LED (BMS)	DIRECT LED (BMS)
Wide-screen format	●	●	●
3D	Active Shutter	Active Shutter	Active Shutter
2D/3D Converter	●	●	●
Local / Micro Dimming	○ / ○	○ / ○	○ / ○
Dynamic contrast	DCR PLUS	DCR PLUS	DCR PLUS
HDR / Wide Color Gamut	○ / ○	○ / ○	○ / ○
Panel Frequency	100Hz	100Hz	100Hz
Physical display resolution max. pixel	UHD (3.840x2.160)	UHD (3.840x2.160)	UHD (3.840x2.160)
PICTURE			
Motion Picture Improvement (MEMC)	●	●	●
Motion Adaptive Deinterlacing	3D DeInterlacer	3D DeInterlacer	3D DeInterlacer
Line Flicker Reduction	●	●	●
Digital Color Transition Improv. (DCTI)	●	●	●
Digital Combfilter	3D	3D	3D
Digital Luminance Trans. Improv. (DLTI)	●	●	●
Picture Noise Reduction	●	●	●
Preset picture modes	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama
PIP	○	○	○
PAT: Split screen (PICTURE + TEXT)	●	●	●
PAP: Double Window (PICT. + PICT.)	○	○	○
Picture freezing	●	●	●
Zoom with point function	●	●	●
Blue Background	Possible via service adjustment	Possible via service adjustment	Possible via service adjustment
AUDIO			
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●	● / ● / ●
Loudspeaker	2 wide band at the front side	2 wide band at the front side	2 wide band at the front side
SRS	●	●	●
Dolby digital	●	●	●
Subwoofer	10/20W nominal/music power	10/20W nominal/music power	10/20W nominal/music power
AVL (Audio Volume Level)	●	●	●
Equalizer	5 Band	5 Band	5 Band
Space Sound Effect	○	○	○
Sound preset	natural, music, speech, user	natural, music, speech, user	natural, music, speech, user
Audio amplifier	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)
CHASSIS			
TV-Chassis	KT	KT	KT
Scaler	MSTAR ARM	MSTAR ARM	MSTAR ARM
Keyboard	Joystick	Joystick	Joystick
ELECTRONIC			
Stand by indicator	Blue Led	Blue Led	Blue Led
Programmable off timer	●	●	●
Programmable on timer	●	●	●
Zap / Swap	● / ○	● / ○	● / ○
Programme Edit	●	●	●
Auto switch off	●	●	●
Programme memory TV/AV (opt.)	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●	● / ● / ●
Teletext options	1000 pages	1000 pages	1000 pages
Hbb TV	●	●	●
HEVC/H.265	○	○	○
Childlock	●	●	●
Menu languages OSD	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE
Game mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
Digi Link	●	●	●
Miracast	One Way	One Way	One Way
Special feature	○	○	○
Wifi	Internal	Internal	Internal
DLNA	●	●	●
DLNA Supported Format	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG
Internet Applications	●	●	●
Netflix	●	●	●
Smart Inter@ctive TV 3.0	●	●	●
Online SW Update	●	●	●
RC over IP	smart phones/tablets	smart phones/tablets	smart phones/tablets
Bluetooth (TV)	●	●	●
Easy use remote control compatible	with headphone output and gyro function	with headphone output and gyro function	with headphone output and gyro function
TUNING			
Autom. Tuning System w. country select.	full automatic sorting	full automatic sorting	full automatic sorting
Manual fine tuning	●	●	●
Direct channel selection	●	●	●
Direct frequency selection	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu
PAL/SECAM/BG/DK/I/L/L	●	●	●
NTSC-Playback via Scart (3,58/4,43)	●	●	●
DVB reception			
Fully compliant to	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)
Automatic/manual channel search	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting
EPG (SI based)	●	●	●
EPG (Electronic Programme Guide)	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2
- now/next	●	●	●
- scheduled	If broadcasted	If broadcasted	If broadcasted
- Extended Event Info	If broadcasted	If broadcasted	If broadcasted
- Short Event Info	If broadcasted	If broadcasted	If broadcasted
VPS - VBI insertion	PDC based	PDC based	PDC based
Programme table	full automatic sorting	full automatic sorting	full automatic sorting

	55 VLX 890 BL	55 VLX 7070 BL	55 VLX 8580 BL
DVB-C Front end			
Input frequency (MHz)	47 - 862 VHF & UHF	47 - 862 VHF & UHF	47 - 862 VHF & UHF
Input level / Impedance	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm
Demodulation / Symbol rate Ms/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s
DVB-S2 Front end			
Input frequency range	950 MHz to 2150 MHz	950 MHz to 2150 MHz	950 MHz to 2150 MHz
Signal level	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)
Demodulation	QPSK, 8PSK	QPSK, 8PSK	QPSK, 8PSK
Input symbol rate	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2
DiseqC 1.2 support	●	●	●
LNB power & Polarization	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection
FEC MODE	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10
Unicable	●	●	●
DVB-T Front end			
Input frequency (MHz) / Loop through	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O
Input level / Impedance	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm
Modulation	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM
FEC Mode	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Activ antenna support	●	●	●
DVB-T2 Front end			
Input frequency range	○	○	○
Input level / Impedance	○	○	○
Modulation	○	○	○
FEC Mode	○	○	○
Activ antenna support	○	○	○
Video Decoder			
MPEG profiles	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0
Resolution	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p
Picture formats	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle
Audio Decoder			
Profiles	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II
AC 3 Output	SP/DIF	SP/DIF	SP/DIF
Modes	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo
Software			
Service information processing	Dynamic PMT	Dynamic PMT	Dynamic PMT
DVB subtitles	●	●	●
Over air download (OTA)	DVB enhanced profile	DVB enhanced profile	DVB enhanced profile
Last station memory	from stand-by, as TV	from stand-by, as TV	from stand-by, as TV
Favourite mode	4x free	4x free	4x free
Mute function	●	●	●
USB part			
Recording	twin mode recording	twin mode recording	twin mode recording
Divx + HD	○	○	○
Repeat	●	●	●
File browser	●	●	●
Video file resolution (max.)	1920 x 1080	1920 x 1080	1920 x 1080
Supported files	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264
Supported subtitles	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB
POWER SUPPLY / CABINET			
Power voltage	220-240V	220-240V	220-240V
Range of regulation			
Power frequency	50-60Hz	50-60Hz	50-60Hz
Power switch	Hard switch	Hard switch	Hard switch
Integrated supply	●	●	●
Plug-in AC adaptor	○	○	○
Energy class	A	A	A
Nominal Power Consumption	110W	110W	110W
Stand-by Power Consumption	0,3W	0,3W	0,3W
Annual On-Mode Energy Consumption	161kWh	161kWh	161kWh
Cabinet without stand (WxHxD)	1242 x 750 x 62mm	1242 x 750 x 62mm	1242 x 750 x 62mm
Cabinet with stand (WxHxD)	1242 x 785 x 235mm	1242 x 785 x 235mm	1242 x 785 x 235mm
Weight - Unpacked	ca. 14,4kg	ca. 14,4kg	ca. 14,5kg
REAR PANEL CONNECTIONS			
Euro-AV-Socket AV1	Full wired	Full wired	Full wired
S-Video	Via Scart	Via Scart	Via Scart
Camera-AV	Via Scart	Via Scart	Via Scart
LAN	●	●	●
YUV input / progressive	via VGA	via VGA	via VGA
PC-input	VGA	VGA	VGA
PC-Audio in	●	●	●
HDMI 1.4 / 2.0	2 / 2	2 / 2	2 / 2
- MHL 2.0	via HDMI1	via HDMI1	via HDMI1
- ARC	via HDMI4	via HDMI4	via HDMI4
- 4k2k	via HDMI3/4	via HDMI3/4	via HDMI3/4
- HD ready including HDCP	via HDMI	via HDMI	via HDMI
Common Interface	(CI+) x2	(CI+) x2	(CI+) x2
Headphones	3.5mm jack	3.5mm jack	3.5mm jack
Digital Audio out optical (SPDIF)	optical	optical	optical
Audio out	○	○	○
USB 2.0 / 3.0	2 / 1	2 / 1	2 / 1
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
Antenna for satellite reception	1 x F-connector	1 x F-connector	1 x F-connector
DC-connector	○	○	○
Power supply plug	●	●	●
SUPPLIED ACCESSORIES			
Wi-Fi Dongle	○	○	○
Remote control (incl. battery)	TS4 + Comfort Remote	TS4	TS4
3D Glasses	○	x2	x2
Power cord	●	●	●
Instruction manual	●	●	●
Wall fixture (mm)	Prepared for VESA standard adaptor 400 x 200	Prepared for VESA standard adaptor 400 x 200	Prepared for VESA standard adaptor 400 x 200
Stand	●	aluminium stand	aluminium stand
Stand Foot Distance			
Cleaning tissue	○	○	○

Technische Daten / Technical Data 55"

	55 VLX 8580 SL	55 VLX 8580 WL	55 VLX 8590 HD
Order No.	MPA000	MPB000	MPC000
Product Code	MPA	MPB	MPC
Country	DE; AT	DE; AT	DE; AT
Approbations	CE	CE	CE
Remote control	TS4	TS4	TS4
EAN	40 13833-00526 1	40 13833-00527 8	40 13833-00528 5
Color	Silver	White	Black
DISPLAY			
Panel	55"/139 cm	55"/139 cm	55"/139 cm
Backlight	DIRECT LED (BMS)	DIRECT LED (BMS)	DIRECT LED (BMS)
Wide-screen format	●	●	●
3D	Active Shutter	Active Shutter	Active Shutter
2D/3D Converter	●	●	●
Local / Micro Dimming	○ / ○	○ / ○	○ / ○
Dynamic contrast	DCR PLUS	DCR PLUS	DCR PLUS
HDR / Wide Color Gamut	○ / ○	○ / ○	○ / ○
Panel Frequency	100Hz	100Hz	100Hz
Physical display resolution max. pixel	UHD (3.840x2.160)	UHD (3.840x2.160)	UHD (3.840x2.160)
PICTURE			
Motion Picture Improvement (MEMC)	●	●	●
Motion Adaptive Deinterlacing	3D DeInterlacer	3D DeInterlacer	3D DeInterlacer
Line Flicker Reduction	●	●	●
Digital Color Transition Improv. (DCTI)	●	●	●
Digital Combfilter	3D	3D	3D
Digital Luminance Trans. Improv. (DLTI)	●	●	●
Picture Noise Reduction	●	●	●
Preset picture modes	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama
PIP	○	○	○
PAT: Split screen (PICTURE + TEXT)	●	●	●
PAP: Double Window (PICT. + PICT.)	○	○	○
Picture freezing	●	●	●
Zoom with point function	●	●	●
Blue Background	Possible via service adjustment	Possible via service adjustment	Possible via service adjustment
AUDIO			
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●	● / ● / ●
Loudspeaker	2 wide band at the front side	2 wide band at the front side	2 wide band at the front side
SRS	●	●	●
Dolby digital	●	●	●
Subwoofer	10/20W nominal/music power	10/20W nominal/music power	10/20W nominal/music power
AVL (Audio Volume Level)	●	●	●
Equalizer	5 Band	5 Band	5 Band
Space Sound Effect	○	○	○
Sound preset	natural, music, speech, user	natural, music, speech, user	natural, music, speech, user
Audio amplifier	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)
CHASSIS			
TV-Chassis	KT	KT	KT
Scaler	MSTAR ARM	MSTAR ARM	MSTAR ARM
Keyboard	Joystick	Joystick	Joystick
ELECTRONIC			
Stand by indicator	Blue Led	Blue Led	Blue Led
Programmable off timer	●	●	●
Programmable on timer	●	●	●
Zap / Swap	● / ○	● / ○	● / ○
Programme Edit	●	●	●
Auto switch off	●	●	●
Programme memory TV/AV (opt.)	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●	● / ● / ●
Teletext options	1000 pages	1000 pages	1000 pages
Hbb TV	●	●	●
HEVC/H.265	○	○	○
Childlock	●	●	●
Menu languages OSD	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE	24 languages: D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RU, RO, BG, HR, LT, EE
Game mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
Digi Link	●	●	●
Miracast	One Way	One Way	One Way
Special feature	○	○	○
Wifi	Internal	Internal	Internal
DLNA	●	●	●
DLNA Supported Format	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG
Internet Applications	●	●	●
Netflix	●	●	●
Smart Inter@ctive TV 3.0	●	●	●
Online SW Update	●	●	●
RC over IP	smart phones/tablets	smart phones/tablets	smart phones/tablets
Bluetooth (TV)	●	●	●
Easy use remote control compatible	with headphone output and gyro function	with headphone output and gyro function	with headphone output and gyro function
TUNING			
Autom. Tuning System w. country select.	full automatic sorting	full automatic sorting	full automatic sorting
Manual fine tuning	●	●	●
Direct channel selection	●	●	●
Direct frequency selection	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu
PAL/SECAM/BG/DK/I/L/L	●	●	●
NTSC-Playback via Scart (3,58/4,43)	●	●	●
DVB reception			
Fully compliant to	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)
Automatic/manual channel search	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting
EPG (SI based)	●	●	●
EPG (Electronic Programme Guide)	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2
- now/next	●	●	●
- scheduled	If broadcasted	If broadcasted	If broadcasted
- Extended Event Info	If broadcasted	If broadcasted	If broadcasted
- Short Event Info	If broadcasted	If broadcasted	If broadcasted
VPS - VBI insertion	PDC based	PDC based	PDC based
Programme table	full automatic sorting	full automatic sorting	full automatic sorting

	55 VLX 8580 SL	55 VLX 8580 WL	55 VLX 8590 HD
DVB-C Front end			
Input frequency (MHz)	47 - 862 VHF & UHF	47 - 862 VHF & UHF	47 - 862 VHF & UHF
Input level / Impedance	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm
Demodulation / Symbol rate Ms/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s
DVB-S2 Front end			
Input frequency range	950 MHz to 2150 MHz	950 MHz to 2150 MHz	950 MHz to 2150 MHz
Signal level	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)
Demodulation	QPSK, 8PSK	QPSK, 8PSK	QPSK, 8PSK
Input symbol rate	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2
DiseqC 1.2 support	●	●	●
LNB power & Polarization	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection
FEC MODE	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10
Unicable	●	●	●
DVB-T Front end			
Input frequency (MHz) / Loop through	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O
Input level / Impedance	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm
Modulation	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM
FEC Mode	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Activ antenna support	●	●	●
DVB-T2 Front end			
Input frequency range	○	○	○
Input level / Impedance	○	○	○
Modulation	○	○	○
FEC Mode	○	○	○
Activ antenna support	○	○	○
Video Decoder			
MPEG profiles	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0
Resolution	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p
Picture formats	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle
Audio Decoder			
Profiles	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II
AC 3 Output	SP/DIF	SP/DIF	SP/DIF
Modes	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo
Software			
Service information processing	Dynamic PMT	Dynamic PMT	Dynamic PMT
DVB subtitles	●	●	●
Over air download (OTA)	DVB enhanced profile	DVB enhanced profile	DVB enhanced profile
Last station memory	from stand-by, as TV	from stand-by, as TV	from stand-by, as TV
Favourite mode	4x free	4x free	4x free
Mute function	●	●	●
USB part			
Recording	twin mode recording	twin mode recording	twin mode recording
Divx + HD	○	○	○
Repeat	●	●	●
File browser	●	●	●
Video file resolution (max.)	1920 x 1080	1920 x 1080	1920 x 1080
Supported files	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264
Supported subtitles	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB
POWER SUPPLY / CABINET			
Power voltage	220-240V	220-240V	220-240V
Range of regulation			
Power frequency	50-60Hz	50-60Hz	50-60Hz
Power switch	Hard switch	Hard switch	Hard switch
Integrated supply	●	●	●
Plug-in AC adaptor	○	○	○
Energy class	A	A	A
Nominal Power Consumption	110W	110W	110W
Stand-by Power Consumption	0,3W	0,3W	0,3W
Annual On-Mode Energy Consumption	161kWh	161kWh	161kWh
Cabinet without stand (WxHxD)	1242 x 750 x 62mm	1242 x 750 x 62mm	1242 x 750 x 62mm
Cabinet with stand (WxHxD)	1242 x 785 x 235mm	1242 x 785 x 235mm	1242 x 785 x 235mm
Weight - Unpacked	ca. 14,8kg	ca. 14,8kg	ca. 15,4kg
REAR PANEL CONNECTIONS			
Euro-AV-Socket AV1	Full wired	Full wired	Full wired
S-Video	Via Scart	Via Scart	Via Scart
Camera-AV	Via Scart	Via Scart	Via Scart
LAN	●	●	●
YUV input / progressive	via VGA	via VGA	via VGA
PC-input	VGA	VGA	VGA
PC-Audio in	●	●	●
HDMI 1.4 / 2.0	2 / 2	2 / 2	2 / 2
- MHL 2.0	via HDMI1	via HDMI1	via HDMI1
- ARC	via HDMI4	via HDMI4	via HDMI4
- 4k2k	via HDMI3/4	via HDMI3/4	via HDMI3/4
- HD ready including HDCP	via HDMI	via HDMI	via HDMI
Common Interface	(CI+) x2	(CI+) x2	(CI+) x2
Headphones	3.5mm jack	3.5mm jack	3.5mm jack
Digital Audio out optical (SPDIF)	optical	optical	optical
Audio out	○	○	○
USB 2.0 / 3.0	2 / 1	2 / 1	2 / 1
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
Antenna for satellite reception	1 x F-connector	1 x F-connector	1 x F-connector
DC-connector	○	○	○
Power supply plug	●	●	●
SUPPLIED ACCESSORIES			
Wi-Fi Dongle	○	○	○
Remote control (incl. battery)	TS4	TS4	TS4
3D Glasses	x2	x2	x2
Power cord	●	●	●
Instruction manual	●	●	●
Wall fixture (mm)	Prepared for VESA standard adaptor 400 x 200	Prepared for VESA standard adaptor 400 x 200	Prepared for VESA standard adaptor 400 x 200
Stand	aluminium stand	aluminium stand	aluminium stand
Stand Foot Distance			
Cleaning tissue	○	○	○

Technische Daten / Technical Data 55"

	Berlin 55 CLX 8595 HD	Lugano 55 CLX 8585 SL
Order No.	MSS000	MNV000
Product Code	MSS	MNV
Country	DE, AT	DE, AT
Approbations	CE	CE
Remote control	TS4 + Comfort Remote	TS4 + Comfort Remote
EAN	40 13833-00582 7	40 13833-00521 6
Color	Black	Silver
DISPLAY		
Panel	55"/139 cm	55"/139 cm
Backlight	DIRECT LED (BMS)	DIRECT LED (BMS)
Wide-screen format	●	●
3D	Active Shutter	Active Shutter
2D/3D Converter	●	●
Local / Micro Dimming	○ / ○	○ / ○
Dynamic contrast	DCR PLUS	DCR PLUS
HDR / Wide Color Gamut	○ / ○	○ / ○
Panel Frequency	100Hz	100Hz
Physical display resolution max. pixel	UHD (3.840x2.160)	UHD (3.840x2.160)
PICTURE		
Motion Picture Improvement (MEMC)	●	●
Motion Adaptive Deinterlacing	3D DeInterlacer	3D DeInterlacer
Line Flicker Reduction	●	●
Digital Color Transition Improv. (DCTI)	●	●
Digital Combfilter	3D	3D
Digital Luminance Trans. Improv. (DLTI)	●	●
Picture Noise Reduction	●	●
Preset picture modes	User, Vivid, Natural, Movie, Sports	User, Vivid, Natural, Movie, Sports
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama	Auto (WSS), 4:3 / 16:9 / 14:9 / Letterbox / Subtitle / Panorama
PIP	○	○
PAT: Split screen (PICTURE + TEXT)	●	●
PAP: Double Window (PICT. + PICT.)	○	○
Picture freezing	●	●
Zoom with point function	●	●
Blue Background	Possible via service adjustment	Possible via service adjustment
AUDIO		
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●
Loudspeaker	2 wide band at the front side	2 wide band at the front side
SRS	●	●
Dolby digital	●	●
Subwoofer	10/20W nominal/music power	10/20W nominal/music power
AVL (Audio Volume Level)	●	●
Equalizer	5 Band	5 Band
Space Sound Effect	○	○
Sound preset	natural, music, speech, user	natural, music, speech, user
Audio amplifier	2 x 15/30W nominal/music power (R/L)	2 x 15/30W nominal/music power (R/L)
CHASSIS		
TV-Chassis	KT	KT
Scaler	MSTAR ARM	MSTAR ARM
Keyboard	Joystick	Joystick
ELECTRONIC		
Stand by indicator	Blue Led	Blue Led
Programmable off timer	●	●
Programmable on timer	●	●
Zap / Swap	● / ○	● / ○
Programme Edit	●	●
Auto switch off	●	●
Programme memory TV/AV (opt.)	100 Analog / 1000 T / 1000 C / 6000 S2 / AV	100 Analog / 1000 T / 1000 C / 6000 S2 / AV
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●
Teletext options	1000 pages	1000 pages
Hbb TV	●	●
HEVC/H.265	○	○
Childlock	●	●
Menu languages OSD	24 languages, D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RUS, RO, BG, HR, LT, EE	24 languages, D, GB, F, I, E, P, NL, DK, S, FIN, N, TR, GR, PL, CZ, SK, SLO, H, RUS, RO, BG, HR, LT, EE
Game mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode	presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
Digi Link	●	●
Miracast	One Way	One Way
Special feature	○	○
Wifi	Internal	Internal
DLNA	●	●
DLNA Supported Format	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG	PCM, WMA, MP3, AAC / WMV, MPEG, MPEG4-ASP, MPEG4-AVC, MPE-4, WMV3 / JPEG, GIF, BMP, PNG
Internet Applications	●	●
Netflix	●	●
Smart Inter@ctive TV 3.0	●	●
Online SW Update	●	●
RC over IP	smart phones/tablets	smart phones/tablets
Bluetooth (TV)	●	●
Easy use remote control compatible	with headphone output and gyro function	with headphone output and gyro function
TUNING		
Autom. Tuning System w. country select.	full automatic sorting	full automatic sorting
Manual fine tuning	●	●
Direct channel selection	●	●
Direct frequency selection	For cable tuning can be done by entering the frequency (MHz) in digital search menu	For cable tuning can be done by entering the frequency (MHz) in digital search menu
PAL/SECAM/BG/DK/I/L/L	●	●
NTSC-Playback via Scart (3,58/4,43)	●	●
DVB reception		
Fully compliant to	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)
Automatic/manual channel search	● / ● - ATS type sorting & LCN type sorting	● / ● - ATS type sorting & LCN type sorting
EPG (SI based)	●	●
EPG (Electronic Programme Guide)	8 days via DVB-T, DVB-C, DVB-S2	8 days via DVB-T, DVB-C, DVB-S2
- now/next	●	●
- scheduled	If broadcasted	If broadcasted
- Extended Event Info	If broadcasted	If broadcasted
- Short Event Info	If broadcasted	If broadcasted
VPS - VBI insertion	PDC based	PDC based
Programme table	full automatic sorting	full automatic sorting

	Berlin 55 CLX 8595 HD	Lugano 55 CLX 8585 SL
DVB-C Front end		
Input frequency (MHz)	47 - 862 VHF & UHF	47 - 862 VHF & UHF
Input level / Impedance	47 - 70dBµV / 75 Ohm	47 - 70dBµV / 75 Ohm
Demodulation / Symbol rate Ms/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s	QAM 16/32/64/128/256 demodulation support (EN 300 429) 4,0...7,2 Msymbols/s
DVB-S2 Front end		
Input frequency range	950 MHz to 2150 MHz	950 MHz to 2150 MHz
Signal level	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)	-25 to -80dBm (Only for DVB-S) -25 to -70dBm (Only for DVB-S2)
Demodulation	QPSK, 8PSK	QPSK, 8PSK
Input symbol rate	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2	1 - 45 Msps for DVB-S 5 - 30 Msps for DVB-S2
DiseqC 1.2 support	●	●
LNB power & Polarization	13/18V Selection / Vertical 22 KHz generation / Overload Protection	13/18V Selection / Vertical 22 KHz generation / Overload Protection
FEC MODE	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10	Auto - QPSK-S: 1/2, 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 QPSK-S2: 1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10
Unicable	●	●
DVB-T Front end		
Input frequency (MHz) / Loop through	177 - 862 VHF & UHF / O	177 - 862 VHF & UHF / O
Input level / Impedance	-80 to 20dBm / 75 Ohm	-80 to 20dBm / 75 Ohm
Modulation	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM
FEC Mode	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Activ antenna support	●	●
DVB-T2 Front end		
Input frequency range	○	○
Input level / Impedance	○	○
Modulation	○	○
FEC Mode	○	○
Activ antenna support	○	○
Video Decoder		
MPEG profiles	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0	MP@ML, MP@HL, MPEG4 AVC H.264 HP@L4.0
Resolution	576i, 576p, 720p, 1080i, 1080p	576i, 576p, 720p, 1080i, 1080p
Picture formats	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Letterbox / Subtitle
Audio Decoder		
Profiles	MPEG 4, MPEG 2 layer I & II	MPEG 4, MPEG 2 layer I & II
AC 3 Output	SP/DIF	SP/DIF
Modes	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo
Software		
Service information processing	Dynamic PMT	Dynamic PMT
DVB subtitling	●	●
Over air download (OTA)	DVB enhanced profile	DVB enhanced profile
Last station memory	from stand-by, as TV	from stand-by, as TV
Favourite mode	4x free	4x free
Mute function	●	●
USB part		
Recording	twin mode recording	twin mode recording
Divx + HD	○	○
Repeat	●	●
File browser	●	●
Video file resolution (max.)	1920 x 1080	1920 x 1080
Supported files	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264	.m4a, .aac, .jpg, .jpe, .bmp, .png, .mov, .mpg, .mpe, .vob, .dat, .trp, .ts, .avi, .mp4, .mkv, .div, H264
Supported subtitles	SRT, SSA, ASS, SMI, Video SUB	SRT, SSA, ASS, SMI, Video SUB
POWER SUPPLY / CABINET		
Power voltage	220-240V	220-240V
Range of regulation		
Power frequency	50-60Hz	50-60Hz
Power switch	Hard switch	Hard switch
Integrated supply	●	●
Plug-in AC adaptor	○	○
Energy class	A	A
Nominal Power Consumption	110W	110W
Stand-by Power Consumption	0,3W	0,3W
Annual On-Mode Energy Consumption	161kWh	161kWh
Cabinet without stand (WxHxD)	1242 x 750 x 62mm	1242 x 750 x 62mm
Cabinet with stand (WxHxD)	1242 x 785 x 235mm	1242 x 785 x 235mm
Weight - Unpacked	ca. 14,7kg	ca. 14,4kg
REAR PANEL CONNECTIONS		
Euro-AV-Socket AV1	Full wired	Full wired
S-Video	Via Scart	Via Scart
Camera-AV	Via Scart	Via Scart
LAN	●	●
YUV input / progressive	via VGA	via VGA
PC-input	VGA	VGA
PC-Audio in	●	●
HDMI 1.4 / 2.0	2 / 2	2 / 2
- MHL 2.0	via HDMI1	via HDMI1
- ARC	via HDMI4	via HDMI4
- 4k2k	via HDMI3/4	via HDMI3/4
- HD ready including HDCP	via HDMI	via HDMI
Common Interface	(CI+) x2	(CI+) x2
Headphones	3.5mm jack	3.5mm jack
Digital Audio out optical (SPDIF)	optical	optical
Audio out	○	○
USB 2.0 / 3.0	2 / 1	2 / 1
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
Antenna for satellite reception	1 x F-connector	1 x F-connector
DC-connector	○	○
Power supply plug	●	●
SUPPLIED ACCESSORIES		
Wi-Fi Dongle	○	○
Remote control (incl. battery)	TS4 + Comfort Remote	TS4 + Comfort Remote
3D Glasses	x2	x2
Power cord	●	●
Instruction manual	●	●
Wall fixture (mm)	Prepared for VESA standard adaptor 400 x 200	Prepared for VESA standard adaptor 400 x 200
Stand	aluminium stand	aluminium stand
Stand Foot Distance		
Cleaning tissue	○	○

Service- und Sonderfunktionen

Tastenfunktionen

MENU Aufrufen/Beenden des Menüs / Beenden des Service Modes

^ v Menü-Zeile (Menüpunkt) wählen

OK Aufrufen der Menüs

< > Wert ändern

← Untermenü: Zurück zum Hauptmenü

Service-Mode aktivieren

– Taste **MENU** drücken, dann Zahlenfolge **8500** eingeben.

Service-Mode beenden

– Taste **MENU** drücken.

1. Grundeinstellwerte

Service and Special Functions

Functions of the buttons

MENU Call up/exit the Menu / exit the Service Mode

^ v Call up the dialogue line (point of menu)

OK Call up the Menus

< > Changing the settings

← Submenu: Back to main menu

Calling up the Service Mode

– Press button **MENU**, then enter the code number **8500**.

Exit the Service Mode

– Press button **MENU**.

1. Basic Settings

Menü Menu	Menüpunkt Point of Menu OK	Einstellung Adjustment < >	48 VLX 881 BL	48 VLX 7070 BL	48 VLX 8481 WL	48 VLX 8580 BL	48 VLX 8580 SL	48 VLX 8580 WL	55 VLX 871 BL	55 VLX 881 BL	55 VLX 890 BL
System Configuration	TV Mode	Customer/Factory	Customer	Customer	Customer	Customer	Customer	Customer	Customer	Customer	Customer
	HDCP Verify		prüft HDCP im EEPROM / verifies HDCP in EEPROM								
	Debug Mode	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Plug Play	On	ATS Reset: Netz ein -> Automatischer Sendersuchlauf / Power on -> automatic programme search								
		Off	X	X	X	X	X	X	X	X	X
	Blue Back	On/Off	On	On	On	On	On	On	On	On	On
	Hotel	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	CI Key Verify		prüft CI Key / verifies CI Key								
	Panel Energy Class	A...D, Default	Class A	Class A	Class A	Class A	Class A	Class A	Class A	Class A	Class A
	Recovery Mode	On/Off	On	On	On	On	On	On	On	On	On
Source Configuration Code 2356	ATV	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	Air	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	Cable	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	Satellite	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	USB	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	PC	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	HDMI1	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	HDMI2	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	HDMI3	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	HDMI4	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
TV Configuration Code 2356	AV1 (Scart)	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	Component	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	S-VHS (Hosiden/Scart)	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	OSD Selection	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig
	GRFSet1/USB Recording	On/Off	On	On	On	On	On	On	On	On	On
	Remote Control		Fernbedienung wählen / Select used remote control								
	Keypad	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick
	7 Segment Display	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	CEC	On/Off	On	On	On	On	On	On	On	On	On
	Speaker Output Power	3...15W@8/16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm
	Subwoofer Output Power	10/15W@8/16Q, Off	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm
	Hidev Mono	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Optic Out	On/Off	On	On	On	On	On	On	On	On	On
	Sports Mode	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	EPG Padding Time	On/Off	On	On	On	On	On	On	On	On	On
	BISS Key	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	GRFSet2	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Voice Recognition RC	On/Off	On	On	On	On	On	On	On	On	On
	HBB TV	On/Off	On	On	On	On	On	On	On	On	On
	Power LED Brightness Low		4	4	4	4	4	4	4	4	4
	Power LED Brightness High		9	9	9	9	9	9	9	9	9
	Check Source Availability	On/Off	On	On	On	On	On	On	On	On	On
	Permanent Timeshift	On/Off	On	On	On	On	On	On	On	On	On
	WiDi	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Product Type	Digi900/Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000
	Jitter Immunity	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Dual CI	On/Off	On	On	On	On	On	On	On	On	On
	Uart Enable	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Gesture Control	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Fransat	On/Off	On	On	On	On	On	On	On	On	On
	Fast Boot	On/Off	On	On	On	On	On	On	On	On	On
	Twin Mode Recording	On/Off	On	On	On	On	On	On	On	On	On
	Dual Watch	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	APP PIP	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Turksat Fast	On/Off	On	On	On	On	On	On	On	On	On
	Screen Capture	On/Off	On	On	On	On	On	On	On	On	On
	DTS Cert Mode	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	KocSistem Mode	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Language Selection	0...255	0	0	0	0	0	0	0	0	0
	Bluetooth	On/Off	On	On	On	On	On	On	On	On	On
	D-Smart	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Miracast TX	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Netflix	On/Off	On	On	On	On	On	On	On	On	On
	Divx	On/Off	Off	Off	Off	Off	Off	Off	Off	Off	Off

Alle weiteren Menüs werden über die Gerätesoftware programmiert und dürfen nicht verstellt werden.
All other menus are programmed by the software of the set and must not be adjusted.

Menü Menu ^ v	Menüpunkt Point of Menu OK	Einstellung Adjustment < >	55 VLX 7070 BL	55 VLX 8580 BL	55 VLX 8580 SL	55 VLX 8580 WL	55 VLX 8590 HD	Berlin 55 CLX 8595 HD	Lugano 48 CLX 8585 SL	Lugano 55 CLX 8585 SL
System Configuration	TV Mode	Customer/Factory	Customer	Customer	Customer	Customer	Customer	Customer	Customer	Customer
	HDCP Verify		prüft HDCP im EEPROM / verifies HDCP in EEPROM							
	Debug Mode	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Plug Play	On	ATS Reset: Netz ein -> Automatischer Sendersuchlauf / Power on -> automatic programme search							
		Off	X	X	X	X	X	X	X	X
	Blue Back	On/Off	On	On	On	On	On	On	On	On
	Hotel	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	CI Key Verify		prüft CI Key / verifies CI Key							
	Panel Energy Class	A...D, Default	Class A	Class A	Class A	Class A	Class A	Class A	Class A	Class A
	Recovery Mode	On/Off	On	On	On	On	On	On	On	On
Source Configuration Code 2356	ATV	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	Air	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	Cable	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	Satellite	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	USB	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	PC	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	HDMI1	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	HDMI2	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	HDMI3	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	HDMI4	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	AV1 (Scart)	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	Component	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
TV Configuration Code 2356	S-VHS (Hosiden/Scart)	Avail/Navail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
	OSD Selection	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig	Grundig
	GRFSet1/USB Recording	On/Off	On	On	On	On	On	On	On	On
	Remote Control		Fernbedienung wählen / Select used remote control							
	Keypad	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick	Joystick
	7 Segment Display	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	CEC	On/Off	On	On	On	On	On	On	On	On
	Speaker Output Power	3...15W@8/16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm	15W@16ohm
	Subwoofer Output Power	10/15W@8/16Ω, Off	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm	10W@8ohm
	Hidev Mono	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Optic Out	On/Off	On	On	On	On	On	On	On	On
	Sports Mode	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	EPG Padding Time	On/Off	On	On	On	On	On	On	On	On
	BISS Key	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	GRFSet2	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Voice Recognition RC	On/Off	On	On	On	On	On	On	On	On
	HBB TV	On/Off	On	On	On	On	On	On	On	On
	Power LED Brightness Low		4	4	4	4	4	4	4	4
	Power LED Brightness High		9	9	9	9	9	9	9	9
	Check Source Availability	On/Off	On	On	On	On	On	On	On	On
	Permanent Timeshift	On/Off	On	On	On	On	On	On	On	On
	WiDi	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Product Type	Digi900/Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000	Digi9000
	Jitter Immunity	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Dual CI	On/Off	On	On	On	On	On	On	On	On
	Uart Enable	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Gesture Control	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Fransat	On/Off	On	On	On	On	On	On	On	On
	Fast Boot	On/Off	On	On	On	On	On	On	On	On
	Twin Mode Recording	On/Off	On	On	On	On	On	On	On	On
	Dual Watch	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	APP PIP	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Turksat Fast	On/Off	On	On	On	On	On	On	On	On
	Screen Capture	On/Off	On	On	On	On	On	On	On	On
	DTS Cert Mode	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	KocSistem Mode	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Language Selection	0...255	0	0	0	0	0	0	0	0
	Bluetooth	On/Off	On	On	On	On	On	On	On	On
	D-Smart	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Miracast TX	On/Off	Off	Off	Off	Off	Off	Off	Off	Off
	Netflix	On/Off	On	On	On	On	On	On	On	On
	Divx	On/Off	Off	Off	Off	Off	Off	Off	Off	Off

Alle weiteren Menüs werden über die Gerätesoftware programmiert und dürfen nicht verstellt werden.
All other menus are programmed by the software of the set and must not be adjusted.

2. Software-Versionsnummer

Die Software-Versionsnummer wird unten im Menü Einstellungen und im Service Menü angezeigt. z.B.: KYGRMR.-.-.-.V07.034.00

2. Software Version Number

The software version number is shown on the lower part of the options menu and the service menu. e.g.: KYGRMR.-.-.-.V07.034.00

Ersatzteilliste
Spare Parts List

5 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

48 VLX 881 BL

BESTELL-NR. / ORDER NO.: MJK000 (MJK)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MJK000 *		48 VLX 881 BL PRODUKTCODE MJK Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	48 VLX 881 BL PRODUCT CODE MJK Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551800200		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
002.000		759551810300		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551810400		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551793000		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15/18W 182x30MM	SPEAKER 8R 15/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
019.000		759551766000		KABEL LVDS 210MM 51 PIN	CABLE LVDS 210MM 51 PIN
020.000	Δ	057U48-A05 *		LCD BMS 056U48-A18 KT BE-BH	LCD BMS 056U48-A18 KT BE-BH
020.001	Δ	052U48SS4 *		LCD SS LSC480FJ01-A/P U100 3D	LCD SS LSC480FJ01-A/P U100 3D
020.002	Δ	ZBE60600-AC *		LED BAR 48 - 7 LI A TIP APOLLON	LED BAR 48 - 7 LI A TIP APOLLON
020.003	Δ	ZBF60600-AC *		LED BAR 48 - 7 LI B TIP APOLLON	LED BAR 48 - 7 LI B TIP APOLLON
020.004	Δ	ZBG60600-AC *		LED BAR 48 - 6 LI C TIP APOLLON	LED BAR 48 - 6 LI C TIP APOLLON
020.005	Δ	ZBH60600-AC *		LED BAR 48 - 6 LI D TIP APOLLON	LED BAR 48 - 6 LI D TIP APOLLON
020.100	Δ	759551798700		T-CON MODUL (XMB)	T-CON BOARD (XMB)
022.000	Δ	759551805300		NETZKABEL 49 MIT NETZSCHALTER	POWER CORD 49 WITH POWER SWITCH
023.000	Δ	275990322600		NETZTEIL (ZKP)	POWER SUPPLY (ZKP)
024.000	Δ	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	Δ	275991220600	X	CHASSISMODUL KT (NVF)	CHASSIS BOARD KT (NVF)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6P 1MM L=150MM	CABLE FFC 6P 1MM L=150MM
038.000	Δ	759551790000		WIFI MODUL	WIFI BOARD
039.000	Δ	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551765900		KABEL LVDS 210MM 41 PIN	CABLE LVDS 210MM 41 PIN
090.000		759551798800		KARTON 48	CARTON 48
091.000		759551798900		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				DIE BEDIENUNGSANLEITUNG IST UEBER FOLGENDER ADRESSE ABRUFBAR: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM ADDRESS: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS

Ersatzteilliste
Spare Parts List

2 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

48 VLX 7070 BL

BESTELL-NR. / ORDER NO.: MLS000 (MLS)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MLS000 *		48 VLX 7070 BL PRODUKTCODE MLS Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	48 VLX 7070 BL PRODUCT CODE MLS Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551800200		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
002.000		759551810300		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551810400		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551799800		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15W/18W 182x30MM	SPEAKER 8R 15W/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551765900		KABEL LVDS 210MM 41 PIN	CABLE LVDS 210MM 41 PIN
019.000		759551766000		KABEL LVDS 210MM 51 PIN	CABLE LVDS 210MM 51 PIN
020.000	Δ	057U48-A05 *		LCD BMS-DIPSLAY 056U48-A18	LCD BMS-DIPSLAY 056U48-A18
020.001	Δ	052U48SS4 *		OPENCELL SS LSC480FJ01-A/P	OPENCELL SS LSC480FJ01-A/P
020.002	Δ	ZBE60600-AC *		LED BAR 48 - 7 LI A TIP APOLLON	LED BAR 48 - 7 LI A TIP APOLLON
020.003	Δ	ZBF60600-AC *		LED BAR 48 - 7 LI B TIP APOLLON	LED BAR 48 - 7 LI B TIP APOLLON
020.004	Δ	ZBG60600-AC *		LED BAR 48 - 6 LI C TIP APOLLON	LED BAR 48 - 6 LI C TIP APOLLON
020.005	Δ	ZBH60600-AC *		LED BAR 48 - 6 LI D TIP APOLLON	LED BAR 48 - 6 LI D TIP APOLLON
020.100	Δ	759551798700		T-CON MODUL (XMB)	T-CON BOARD (XMB)
022.000	Δ	759551805300		NETZKABEL 49 MIT NETZSCHALTER	POWER CORD 49 WITH POWER SWITCH
023.000	Δ	275990322600		NETZTEIL (ZKP)	POWER SUPPLY (ZKP)
024.000	Δ	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	Δ	275991220600	X	CHASSISMODUL KT (NVF)	CHASSIS BOARD KT (NVF)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6 PIN P=1MM L=150MM	CABLE FFC 6 PIN P=1MM L=150MM
038.000	Δ	759551790000		WIFI MODUL	WIFI BOARD
039.000	Δ	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798800		KARTON 48	CARTON 48
091.000		759551798900		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				Die Bedienungsanleitung können Sie über folgender Adresse abrufen: www.grundig.de/service/downloads	The instruction manual can be downloaded under following address: www.grundig.de/service/downloads

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

1 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

48 VLX 8481 WL

BESTELL-NR. / ORDER NO.: NVB000 (NVB)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		NVB000 *		48 VLX 8481 WL PRODUKT CODE NVB Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	48 VLX 8481 WL PRODUCT CODE NVB Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551807700		GEH.- VORDERTEIL WEISS	FRONT CABINET WHITE
002.000		759551807800		RUECKWAND WEISS	BACK COVER WHITE
003.000		759551807900		GEH.- MITTELTEIL WEISS	CABINET MIDDLEPART WHITE
005.000		759551805000		STANDFUSS WEISS	STANDFOOT WHITE
005.100		759551808000		STANDFUSSSCHRAUBE M4X10	STANDFOOTSCREW M4X10
015.000		759551798600		LAUTSPRECHER 8R 15W(N)/18W(M)	SPEAKER 8R 15W(N)/18W(M) 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
019.000		759551765900		KABEL LVDS 210MM 41 PIN	CABLE LVDS 210MM 41 PIN
020.000	△	057U48-A08 *		LCD BMS-DISPLAY 056U48-A18	LCD BMS-DISPLAY 056U48-A18
020.001	△	052U48SS4 *		OPENCELL SS LSC480FJ01-A/P	OPENCELL SS LSC480FJ01-A/P
020.100	△	759551798700		T-CON MODUL (XMB)	T-CON BOARD (XMB)
022.000	△	759551805300		NETZKABEL 49 MIT NETZSCHALTER	POWER CORD 49 WITH POWER SWITCH
023.000	△	275990322600		NETZTEIL (ZKP)	POWER SUPPLY (ZKP)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220600	X	CHASSISMODUL KT (NVF)	CHASSIS BOARD KT (NVF)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145400		FERNBEDIENUNG TP EASY WEISS	REMOTE CONTROL TP EASY WHITE
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6 PIN P=1MM L=150MM	CABLE FFC 6 PIN P=1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551766000		KABEL LVDS 210MM 51 PIN	CABLE LVDS 210MM 51 PIN
090.000		759551798800		KARTON 48	CARTON 48
091.000		759551798900		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				Die Bedienungsanleitung können Sie über folgender Adresse abrufen: www.grundig.de/service/downloads	The instruction manual can be downloaded under following address: www.grundig.de/service/downloads

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

2 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

48 VLX 8580 BL

BESTELL-NR. / ORDER NO.: MNW000 (MNW)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MNW000 *		48 VLX 8580 BL PRODUKT CODE MNW Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	48 VLX 8580 BL PRODUCT CODE MNW Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551800200		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
002.000		759551810300		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551810400		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551799800		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15W/18W 182x30MM	SPEAKER 8R 15W/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
019.000		759551766000		KABEL LVDS 210MM 51 PIN	CABLE LVDS 210MM 51 PIN
020.000	△	057U48-A05 *		LCD BMS-DISPLAY 056U48-A18	LCD BMS-DISPLAY 056U48-A18
020.001	△	052U48SS4 *		OPENCELL SS LSC480FJ01-A/P	OPENCELL SS LSC480FJ01-A/P
020.002	△	ZBE60600-AC *		LED BAR 48 - 7 LI A TIP APOLLON	LED BAR 48 - 7 LI A TIP APOLLON
020.003	△	ZBF60600-AC *		LED BAR 48 - 7 LI B TIP APOLLON	LED BAR 48 - 7 LI B TIP APOLLON
020.004	△	ZBG60600-AC *		LED BAR 48 - 6 LI C TIP APOLLON	LED BAR 48 - 6 LI C TIP APOLLON
020.005	△	ZBH60600-AC *		LED BAR 48 - 6 LI D TIP APOLLON	LED BAR 48 - 6 LI D TIP APOLLON
020.100	△	759551798700		T-CON MODUL (XMB)	T-CON BOARD (XMB)
022.000	△	759551805300		NETZKABEL 49 MIT NETZSCHALTER	POWER CORD 49 WITH POWER SWITCH
023.000	△	275990322600		NETZTEIL (ZKP)	POWER SUPPLY (ZKP)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220600	X	CHASSISMODUL KT (NVF)	CHASSIS BOARD KT (NVF)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6 PIN P=1MM L=150MM	CABLE FFC 6 PIN P=1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551765900		KABEL LVDS 210MM 41 PIN	CABLE LVDS 210MM 41 PIN
090.000		759551798800		KARTON 48	CARTON 48
091.000		759551798900		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				Die Bedienungsanleitung können Sie über folgender Adresse abrufen: www.grundig.de/service/downloads	The instruction manual can be downloaded under following address: www.grundig.de/service/downloads

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

2 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

48 VLX 8580 SL

BESTELL-NR. / ORDER NO.: MNX000 (MNX)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MNX000 *		48 VLX 8580 SL PRODUKT CODE MNX Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	48 VLX 8580 SL PRODUCT CODE MNX Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799300		GEH.- VORDERTEIL SILBER	FRONT CABINET SILVER
002.000		759551811100		RUECKWAND SILBER	BACK COVER SILVER
003.000		759551811200		GEH.- MITTELTEIL SILBER	CABINET MIDDLEPART SILVER
005.000		759551799000		STANDFUSS SILBER	STANDFOOT SILVER
005.100		759551808000		STANDFUSSSCHRAUBE M4X10	STANDFOOTSCREW M4X10
015.000		759551798600		LAUTSPRECHER 8R 15W/18W 182x30MM	SPEAKER 8R 15W/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
019.000		759551766000		KABEL LVDS 210MM 51 PIN	CABLE LVDS 210MM 51 PIN
020.000	△	057U48-A04 *		LCD BMS-DISPLAY 056U48-A18	LCD BMS-DISPLAY 056U48-A18
020.001	△	052U48SS4 *		OPENCELL SS LSC480FJ01-A/P	OPENCELL SS LSC480FJ01-A/P
020.002	△	ZBE60600-AC *		LED BAR 48 - 7 LI A TIP APOLLON	LED BAR 48 - 7 LI A TIP APOLLON
020.003	△	ZBF60600-AC *		LED BAR 48 - 7 LI B TIP APOLLON	LED BAR 48 - 7 LI B TIP APOLLON
020.004	△	ZBG60600-AC *		LED BAR 48 - 6 LI C TIP APOLLON	LED BAR 48 - 6 LI C TIP APOLLON
020.005	△	ZBH60600-AC *		LED BAR 48 - 6 LI D TIP APOLLON	LED BAR 48 - 6 LI D TIP APOLLON
020.100	△	759551798700		T-CON MODUL (XMB)	T-CON BOARD (XMB)
022.000	△	759551805300		NETZKABEL 49 MIT NETZSCHALTER	POWER CORD 49 WITH POWER SWITCH
023.000	△	275990322600		NETZTEIL (ZKP)	POWER SUPPLY (ZKP)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220600	X	CHASSISMODUL KT (NVF)	CHASSIS BOARD KT (NVF)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145400		FERNBEDIENUNG TP EASY WEISS	REMOTE CONTROL TP EASY WHITE
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6 PIN P=1MM L=150MM	CABLE FFC 6 PIN P=1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551765900		KABEL LVDS 210MM 41 PIN	CABLE LVDS 210MM 41 PIN
090.000		759551798800		KARTON 48	CARTON 48
091.000		759551798900		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				Die Bedienungsanleitung können Sie über folgender Adresse abrufen: www.grundig.de/service/downloads	The instruction manual can be downloaded under following address: www.grundig.de/service/downloads

Ersatzteilliste
Spare Parts List

3 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

48 VLX 8580 WL

BESTELL-NR. / ORDER NO.: MNY000 (MNY)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MNY000 *		48 VLX 8580 WL PRODUKT CODE MNY Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	48 VLX 8580 WL PRODUCT CODE MNY Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551807700		GEH.- VORDERTEIL WEISS	FRONT CABINET WHITE
002.000		759551807800		RUECKWAND WEISS	BACK COVER WHITE
003.000		759551807900		GEH.- MITTELTEIL WEISS	CABINET MIDDLEPART WHITE
005.000		759551805000		STANDFUSS WEISS	STANDFOOT WHITE
005.100		759551808000		STANDFUSSSCHRAUBE M4X10	STANDFOOTSCREW M4X10
015.000		759551798600		LAUTSPRECHER 8R 15W/18W 182x30MM	SPEAKER 8R 15W/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551765900		KABEL LVDS 210MM 41 PIN	CABLE LVDS 210MM 41 PIN
019.000		759551766000		KABEL LVDS 210MM 51 PIN	CABLE LVDS 210MM 51 PIN
020.000	△	057U48-A08 *		LCD BMS-DISPLAY 056U48-A18	LCD BMS-DISPLAY 056U48-A18
020.001	△	052U48SS4 *		OPENCELL SS LSC480FJ01-A/P UHD100 3D	OPENCELL SS LSC480FJ01-A/P UHD100 3D
020.002	△	ZBE60600-AC *		LED BAR 48 - 7 LI A TIP APOLLON	LED BAR 48 - 7 LI A TIP APOLLON
020.003	△	ZBF60600-AC *		LED BAR 48 - 7 LI B TIP APOLLON	LED BAR 48 - 7 LI B TIP APOLLON
020.004	△	ZBG60600-AC *		LED BAR 48 - 6 LI C TIP APOLLON	LED BAR 48 - 6 LI C TIP APOLLON
020.005	△	ZBH60600-AC *		LED BAR 48 - 6 LI D TIP APOLLON	LED BAR 48 - 6 LI D TIP APOLLON
020.100	△	759551798700		T-CON MODUL (XMB)	T-CON BOARD (XMB)
022.000	△	759551805300		NETZKABEL 49 MIT NETZSCHALTER	POWER CORD 49 WITH POWER SWITCH
023.000	△	275990322600		NETZTEIL (ZKP)	POWER SUPPLY (ZKP)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220600	X	CHASSISMODUL KT (NVF)	CHASSIS BOARD KT (NVF)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145400		FERNBEDIENUNG TP EASY WEISS	REMOTE CONTROL TP EASY WHITE
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6P 1MM L=150MM	CABLE FFC 6P 1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798800		KARTON 48	CARTON 48
091.000		759551798900		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				DIE BETRIEBUNGSANLEITUNG IST UEBER FOLGENDER ADRESSE ABRUFBAR: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM ADDRESS: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

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NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

55 VLX 871 BL

BESTELL-NR. / ORDER NO.: MJJ000 (MJJ)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MJJ000 *		55 VLX 871 BL PRODUKTCODE MJJ Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	55 VLX 871 BL PRODUCT CODE MJJ Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799500		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
002.000		759551807200		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551807300		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551799800		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15/18W 182x30MM	SPEAKER 8R 15/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41 PIN P=0,5MM L=310MM	CABLE LVDS 41 PIN P=0,5MM L=310MM
019.000		759551787400		KABEL FFC LVDS 51P 0.5MM 310MM	CABLE FFC LVDS 51P 0.5MM 310MM
020.000	Δ	057U55-A05 *		LCD BMS 056U55-A04 KT BE-BH	LCD BMS 056U55-A04 KT BE-BH
020.001	Δ	052U55SS1 *		LCD SS LSC550FJ03 U100 3D	LCD SS LSC550FJ03 U100 3D
020.002	Δ	ZBJ60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	Δ	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	Δ	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	Δ	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	Δ	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
022.000	Δ	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55WITH POWER SWITCH
023.000	Δ	275990322500		NETZTEIL (ZJG)	POWER SUPPLY (ZJG)
024.000	Δ	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	Δ	275991220500	X	CHASSISMODUL KT (NVG)	CHASSIS BOARD KT (NVG)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6P 1MM L=150MM	CABLE FFC 6P 1MM L=150MM
038.000	Δ	759551790000		WIFI MODUL	WIFI BOARD
039.000	Δ	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				DIE BEDIENUNGSANLEITUNG IST UEBER FOLGENDER ADRESSE ABRUFBAR: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM ADDRESS: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS

Ersatzteilliste
Spare Parts List

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NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

55 VLX 881 BL

BESTELL-NR. / ORDER NO.: MJH000 (MJH)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MJH000 *		55 VLX 881 BL PRODUKTCODE MJH Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	55 VLX 881 BL PRODUCT CODE MJH Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799500		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
002.000		759551807200		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551807300		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551793000		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15W/18W 182x30MM	SPEAKER 8R 15W/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41 PIN P=0,5MM L=310MM	CABLE LVDS 41 PIN P=0,5MM L=310MM
019.000		759551787400		KABEL FFC LVDS 51PIN P=0.5MM L=310MM	CABLE FFC LVDS 51PIN P=0.5MM L=310MM
020.000	Δ	057U55-A05 *		LCD BMS-DISPLAY 056U55-A04	LCD BMS-DISPLAY 056U55-A04
020.001	Δ	052U55SS1 *		OPENCELL SS LSC550FJ03	OPENCELL SS LSC550FJ03
020.002	Δ	ZBJ60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	Δ	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	Δ	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	Δ	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	Δ	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
022.000	Δ	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55 WITH POWER SWITCH
023.000	Δ	275990322500		NETZTEIL (ZJG)	POWER SUPPLY (ZJG)
024.000	Δ	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	Δ	275991220500	X	CHASSISMODUL KT (NVG)	CHASSIS BOARD KT (NVG)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6 PIN P=1MM L=150MM	CABLE FFC 6 PIN P=1MM L=150MM
038.000	Δ	759551790000		WIFI MODUL	WIFI BOARD
039.000	Δ	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				Die Bedienungsanleitung können Sie über folgender Adresse abrufen: www.grundig.de/service/downloads	The instruction manual can be downloaded under following address: www.grundig.de/service/downloads

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

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NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

55 VLX 890 BL

BESTELL-NR. / ORDER NO.: MJN000 (MJN)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MJN000 *		55 VLX 890 BL PRODUKTCODE MJN Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	55 VLX 890 BL PRODUCT CODE MJN Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799500		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
002.000		759551807200		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551807300		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551793000		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15W(N)/18W(M)	SPEAKER 8R 15W(N)/18W(M) 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41 PIN P=0,5MM L=310MM	CABLE LVDS 41 PIN P=0,5MM L=310MM
019.000		759551787400		KABEL FFC LVDS 51PIN P=0,5MM L=310MM	CABLE FFC LVDS 51PIN P=0,5MM L=310MM
020.000	△	057U55-A05 *		LCD BMS-DISPLAY 056U55-A04	LCD BMS-DISPLAY 056U55-A04
020.001	△	052U55SS1 *		OPENCELL SS LSC550FJ03	OPENCELL SS LSC550FJ03
020.100	△	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
022.000	△	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55 WITH POWER SWITCH
023.000	△	275990322500		NETZTEIL (ZJG)	POWER SUPPLY (ZJG)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220500	X	CHASSISMODUL KT (NVG)	CHASSIS BOARD KT (NVG)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6 PIN P=1MM L=150MM	CABLE FFC 6 PIN P=1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				Die Bedienungsanleitung können Sie über folgender Adresse abrufen: www.grundig.de/service/downloads	The instruction manual can be downloaded under following address: www.grundig.de/service/downloads

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

3 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

55 VLX 7070 BL

BESTELL-NR. / ORDER NO.: MLT000 (MLT)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MLT000 *		55 VLX 7070 BL PRODUKTCODE MLT Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	55 VLX 7070 BL PRODUCT CODE MLT Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799500		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
002.000		759551807200		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551807300		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551799800		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15/18W 182x30MM	SPEAKER 8R 15/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41 PIN P=0,5MM L=310MM	CABLE LVDS 41 PIN P=0,5MM L=310MM
019.000		759551787400		KABEL FFC LVDS 51P 0.5MM 310MM	CABLE FFC LVDS 51P 0.5MM 310MM
020.000	△	057U55-A05 *		LCD BMS-DISPLAY 056U55-A04	LCD BMS-DISPLAY 056U55-A04
020.001	△	052U55SS1 *		OPENCELL SS LSC550FJ03 55 UHD 100HZ 3D	OPENCELL SS LSC550FJ03 55 UHD 100HZ 3D
020.002	△	ZBJ60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	△	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	△	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	△	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	△	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
022.000	△	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55WITH POWER SWITCH
023.000	△	275990322500		NETZTEIL (ZJG)	POWER SUPPLY (ZJG)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220500	X	CHASSISMODUL KT (NVG)	CHASSIS BOARD KT (NVG)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6P 1MM L=150MM	CABLE FFC 6P 1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				DIE BETRIEBUNGSANLEITUNG IST UEBER FOLGENDER ADRESSE ABRUFBAR: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM ADDRESS: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

2 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

55 VLX 8580 BL

BESTELL-NR. / ORDER NO.: MNZ000 (MNZ)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MNZ000 *		55 VLX 8580 BL PRODUKTCODE MNZ Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	55 VLX 8580 BL PRODUCT CODE MNZ Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799500		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
002.000		759551807200		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551807300		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551799800		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15W/18W 182x30MM	SPEAKER 8R 15W/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41 PIN P=0,5MM L=310MM	CABLE LVDS 41 PIN P=0,5MM L=310MM
019.000		759551787400		KABEL FFC LVDS 51PIN P=0,5MM L=310MM	CABLE FFC LVDS 51PIN P=0,5MM L=310MM
020.000	△	057U55-A05 *		LCD BMS-DISPLAY 056U55-A04	LCD BMS-DISPLAY 056U55-A04
020.001	△	052U55SS1 *		OPENCELL SS LSC550FJ03	OPENCELL SS LSC550FJ03
020.002	△	ZBJ60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	△	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	△	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	△	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	△	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
022.000	△	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55 WITH POWER SWITCH
023.000	△	275990322500		NETZTEIL (ZJG)	POWER SUPPLY (ZJG)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220500	X	CHASSISMODUL KT (NVG)	CHASSIS BOARD KT (NVG)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6 PIN P=1MM L=150MM	CABLE FFC 6 PIN P=1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				Die Bedienungsanleitung können Sie über folgender Adresse abrufen: www.grundig.de/service/downloads	The instruction manual can be downloaded under following address: www.grundig.de/service/downloads

Ersatzteilliste
Spare Parts List

3 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

55 VLX 8580 SL

BESTELL-NR. / ORDER NO.: MPA000 (MPA)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MPA000 *		55 VLX 8580 SL PRODUKTCODE MPA Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	55 VLX 8580 SL PRODUCT CODE MPA Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551797700		GEH.- VORDERTEIL SILBER	FRONT CABINET SILVER
002.000		759551811300		RUECKWAND SILBER	BACK COVER SILVER
003.000		759551811400		GEH.- MITTELTEIL SILBER	CABINET MIDDLEPART SILVER
005.000		759551799000		STANDFUSS SILBER	STANDFOOT SILVER
005.100		759551808000		STANDFUSSSCHRAUBE M4X10	STANDFOOTSCREW M4X10
015.000		759551798600		LAUTSPRECHER 8R 15W/18W 182x30MM	SPEAKER 8R 15W/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41 PIN P=0,5MM L=310MM	CABLE LVDS 41 PIN P=0,5MM L=310MM
019.000		759551787400		KABEL FFC LVDS 51P 0.5MM 310MM	CABLE FFC LVDS 51P 0.5MM 310MM
020.000	△	057U55-A04 *		LCD BMS-DISPLAY 056U55-A04	LCD BMS-DISPLAY 056U55-A04
020.001	△	052U55SS1 *		OPENCELL SS LSC550FJ03 UHD100 3D	OPENCELL SS LSC550FJ03 UHD100 3D
020.002	△	ZBJ60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	△	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	△	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	△	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	△	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
022.000	△	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55WITH POWER SWITCH
023.000	△	275990322500		NETZTEIL (ZJG)	POWER SUPPLY (ZJG)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220500	X	CHASSISMODUL KT (NVG)	CHASSIS BOARD KT (NVG)
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145400		FERNBEDIENUNG TP EASY WEISS	REMOTE CONTROL TP EASY WHITE
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6P 1MM L=150MM	CABLE FFC 6P 1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				DIE BETRIEBUNGSANLEITUNG IST UEBER FOLGENDER ADRESSE ABRUFBAR: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOAD FROM ADRESS: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

9 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

55 VLX 8580 WL

BESTELL-NR. / ORDER NO.: MPB000 (MPB)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MPB000 *		55 VLX 8580 WL PRODUKT CODE MPB Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	55 VLX 8580 WL PRODUCT CODE MPB Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551804000		GEH.- VORDERTEIL WEISS	FRONT CABINET WHITE
002.000		759551812300		RUECKWAND WEISS *1	BACK COVER WHITE *1
002.000		759551804800		RUECKWAND WEISS *2	BACK COVER WHITE *2
003.000		759551812400		GEH.- MITTELTEIL WEISS *1	CABINET MIDDLEPART WHITE *1
003.000		759551804900		GEH.- MITTELTEIL WEISS *2	CABINET MIDDLEPART WHITE *2
005.000		759551805000		STANDFUSS WEISS	STANDFOOT WHITE
005.100		759551808000		STANDFUSSSCHRAUBE M4X10	STANDFOOTScrew M4X10
015.000		759551798600		LAUTSPRECHER 8R 15/18W 182x30MM	SPEAKER 8R 15/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41P P=0,5MM L=310MM	CABLE LVDS 41P P=0,5MM L=310MM
019.000		759551787400		KABEL FFC LVDS 51P 0,5MM 310MM	CABLE FFC LVDS 51P 0,5MM 310MM
020.000	△	057U55-A06 *		LCD BMS 056U55-A04 KT BG	LCD BMS 056U55-A04 KT BG
020.001	△	052U55SS1 *		LCD SS LSC550FJ03 U100 3D	LCD SS LSC550FJ03 U100 3D
020.002	△	ZBJ60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	△	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	△	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	△	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	△	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
021.100	△	759551827200		KABEL CHASSIS-NETZTEIL 600MM 14P	CABLE CHASSIS-POWER 600MM 14P
022.000	△	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55WITH POWER SWITCH
023.000	△	275990322500		NETZTEIL (ZJG) *1	POWER SUPPLY (ZJG) *1
023.000	△	275990324600		NETZTEIL (ZMQ) *2	POWER SUPPLY (ZMQ) *2
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220500	X	CHASSISMODUL KT (NVG)	CHASSIS BOARD KT (NVG)
027.000		759551807400		FERNBEDIENUNG TS4 *1	REMOTE CONTROL TS4 *1
027.000		759551797900		FERNBEDIENUNG TS4 *2	REMOTE CONTROL TS4 *2
028.000		720117145400		FERNBEDIENUNG TP EASY WEISS	REMOTE CONTROL TP EASY WHITE
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6P 1MM L=150MM	CABLE FFC 6P 1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
038.100		759551825900		VERBINDUNGSKABEL USB 6P 400MM	CABLE USB 6P 400MM
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				DIE BEDIENUNGSANLEITUNG IST UEBER FOLGENDER ADRESSE ABRUFBAR: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM ADDRESS: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS

Ersatzteilliste
Spare Parts List

3 / 2016

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

55 VLX 8590 HD

BESTELL-NR. / ORDER NO.: MPC000 (MPC)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MPC000 *		55 VLX 8590 HD PRODUKT CODE MPC Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	55 VLX 8590 HD PRODUCT CODE MPC Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799500		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
001.100		759551856200		LAUTSPRECHERGITTER SILBER	SPEAKER GRILL SILVER
002.000		759551807200		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551807300		GEH.- MITTELTEIL SCHWARZ	CABINET MIDDLEPART BLACK
005.000		759551799800		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551696100		STANDFUSS SCHRAUBE SCHWARZ M4X10	STANDFOOTScrew BLACK M4X10
005.200		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15/18W 182x30MM	SPEAKER 8R 15/18W 182x30MM
016.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41P 0,5MM 310MM	CABLE LVDS 41P 0,5MM 310MM
019.100		759551626200		KABEL LVDS 51P 300MM	CABLE LVDS 51P 300MM
019.200		759551787400		KABEL LVDS 51P 0,5MM 310MM	CABLE LVDS 51P 0,5MM 310MM
020.000	△	057U55-A05 *		LCD BMS 056U55-A04 KT BE-BH	LCD BMS 056U55-A04 KT BE-BH
020.001	△	052U55SS1 *		LCD SS LSC550FJ03 U100 3D	LCD SS LSC550FJ03 U100 3D
020.002	△	ZBJ60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	△	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	△	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	△	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	△	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
022.000	△	275990322500		NETZTEIL (ZJG) *1	POWER SUPPLY (ZJG) *1
022.000	△	275990324600		NETZTEIL (ZMQ) *2	POWER SUPPLY (ZMQ) *2
022.100	△	759551803600		NETZKABEL 120CM	POWER CORD 120CM
022.101	△	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55WITH POWER SWITCH
022.200		759551827200		KABEL NETZTEIL-CHASSIS 60CM 14P*1	CABLE POWER-CHASSIS 60CM 14P *1
022.200		759551859200		KABEL NETZTEIL-CHASSIS 60CM 14P*2	CABLE POWER-CHASSIS 60CM 14P *2
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220500	X	CHASSISMODUL KT (NVG)	CHASSIS BOARD KT (NVG)
026.000	△	759551797400		UHD-MODUL (ZKP)	UHD BOARD (ZKP)
026.100		759551859400		KABEL UHD-NETZTEIL 50CM 6P *1	CABLE UHD-POWER 50CM 6P *1
026.100		759551859300		KABEL UHD-NETZTEIL 50CM 2P *2	CABLE UHD-POWER 50CM 2P *2
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
031.100		759551786600		IR-EMPAENGER TSOP36438TT	IR-RECEIVER TSOP36438TT
031.200		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
031.300		759551798000		FLACHBANDKABEL 6P 1MM 150MM	CABLE FFC 6P 1MM 150MM
038.000	△	759551790000		WIFI-MODUL	WIFI BOARD
038.100		759551825900		KABEL USB 6P 400MM	CABLE USB 6P 400MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				DIE BEDIENUNGSANLEITUNG IST UEBER FOLGENDER ADRESSE ABRUFBAR: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM ADDRESS: WWW.GRUNDIG.DE/SERVICE/DOWNLOADS

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

6 / 2016

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

Berlin 55 CLX 8595 HD

BESTELL-NR. / ORDER NO.: MSS000 (MSS)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MSS000 *		Berlin 55 CLX 8595 HD PRODUKT CODE MSS Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	Berlin 55 CLX 8595 HD PRODUCT CODE MSS Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799500		GEH.- VORDERTEIL SCHWARZ	FRONT CABINET BLACK
001.100		759551856200		LAUTSPRECHERGITTER SILBER	SPEAKER GRILL SILVER
002.000		759551807200		RUECKWAND SCHWARZ	BACK COVER BLACK
003.000		759551807300		GEH.- MITTELTEIL SCHWARZ *1*2	CABINET MIDDLEPART BLACK *1*2
003.000		759551830100		GEH.-MITTELTEIL SCHWARZ *3	CABINET MIDDLEPART BLACK *3
005.000		759551799800		STANDFUSS SCHWARZ	STANDFOOT BLACK
005.100		759551696100		STANDFUSS SCHRAUBE SCHWARZ M4X10	STANDFOOTSCREW BLACK M4X10
005.200		759551703500		STANDFUSS SCHRAUBE SCHWARZ M4X12	STANDFOOT SCREW BLACK M4X12
015.000		759551798600		LAUTSPRECHER 8R 15/18W 182x30MM	SPEAKER 8R 15/18W 182x30MM
016.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W) *1*2	SUBWOOFER 40 BMS (10W) *1*2
016.000		759551864500		LAUTSPR. WOOFER 10W/8R SPK *3	SUBWOOFER 10W/8R SPK *3
018.000		759551780200		KABEL LVDS 41P 0,5MM 310MM	CABLE LVDS 41P 0,5MM 310MM
019.100		759551626200		KABEL LVDS 51P 300MM	CABLE LVDS 51P 300MM
019.200		759551787400		KABEL LVDS 51P 0,5MM 310MM	CABLE LVDS 51P 0,5MM 310MM
020.000	△	057U55-A05 *		LCD BMS 056U55-A04 KT BE-BH *1*2	LCD BMS 056U55-A04 KT BE-BH *1*2
020.000	△	057U55A05B *		LCD BMS 056U55A04B KT/BE-BH *3	LCD BMS 056U55A04B KT/BE-BH *3
020.001	△	052U55SS1 *		LCD SS LSC550FJ03 U100 3D *1*2	LCD SS LSC550FJ03 U100 3D *1*2
020.001	△	052U55SS1B *		LCD LSC550FJ03-001 U100 3D *3	LCD LSC550FJ03-001 U100 3D *3
020.002	△	ZBJ60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	△	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	△	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	△	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	△	759551797800		T-CON MODUL (XMC) *1*2	T-CON BOARD (XMC) *1*2
020.100	△	759551858300		T-CON MODUL (XLK) *3	T-CON BOARD (XLK) *3
022.000	△	275990322500		NETZTEIL (ZJG) *1*3	POWER SUPPLY (ZJG) *1*3
022.000	△	275990324600		NETZTEIL (ZMQ) *2	POWER SUPPLY (ZMQ) *2
022.100	△	759551803600		NETZKABEL 120CM	POWER CORD 120CM
022.101	△	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55WITH POWER SWITCH
022.200		759551827200		KABEL NETZT.-CHASSIS 60CM 14P*1*3	CABLE POWER-CHASSIS 60CM 14P *1*3
022.200		759551859200		KABEL NETZT.-CHASSIS 60CM 14P*2	CABLE POWER-CHASSIS 60CM 14P *2
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220500	X	CHASSISMODUL KT (NVG) *1*2	CHASSIS BOARD KT (NVG) *1*2
025.000	△	275991248900	X	CHASSISMODUL KT (NVZ) *3	CHASSIS BOARD KT (NVZ) *3
026.000	△	759551797400		UHD-MODUL (ZKP)	UHD BOARD (ZKP)
026.100		759551859400		KABEL UHD-NETZTEIL 50CM 6P *1*3	CABLE UHD-POWER 50CM 6P *1*3
026.100		759551859300		KABEL UHD-NETZTEIL 50CM 2P *2	CABLE UHD-POWER 50CM 2P *2
027.000		759551807400		FERNBEDIENUNG TS4	REMOTE CONTROL TS4
028.000		720117145300		FERNBEDIENUNG TP EASY SCHWARZ	REMOTE CONTROL TP EASY BLACK
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
031.100		759551786600		IR-EMPAFANGER TSOP36438TT	IR-RECEIVER TSOP36438TT
031.200		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
031.300		759551798000		FLACHBANDKABEL 6P 1MM 150MM	CABLE FFC 6P 1MM 150MM
038.000	△	759551790000		WIFI-MODUL	WIFI BOARD
038.100		759551825900		KABEL USB 6P 400MM	CABLE USB 6P 400MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

2 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

Lugano 48 CLX 8585 SL

BESTELL-NR. / ORDER NO.: MNU000 (MNU)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MNU000 *		Lugano 48 CLX 8585 SL PRODUKT CODE MNU Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	Lugano 48 CLX 8585 SL PRODUCT CODE MNU Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551799300		GEH.- VORDERTEIL SILBER	FRONT CABINET SILVER
002.000		759551811100		RUECKWAND SILBER	BACK COVER SILVER
003.000		759551811200		GEH.- MITTELTEIL SILBER	CABINET MIDDLEPART SILVER
005.000		759551799400		STANDFUSS CHROM	STANDFOOT CHROME
005.100		759551808000		STANDFUSSSCHRAUBE M4X10	STANDFOOTSCREW M4X10
005.200		759551811500		STANDFUSSHALTERUNG LINKS SILBER	STANDFOOTHOLDER LEFT SILVER
005.300		759551811600		STANDFUSSHALTERUNG RECHTS SILBER	STANDFOOTHOLDER RIGHT SILVER
015.000		759551798600		LAUTSPRECHER 8R 15W/18W 182x30MM	SPEAKER 8R 15W/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551765900		KABEL LVDS 210MM 41 PIN	CABLE LVDS 210MM 41 PIN
019.000		759551766000		KABEL LVDS 210MM 51 PIN	CABLE LVDS 210MM 51 PIN
020.000	△	057U48-A04 *		LCD BMS-DISPLAY 056U48-A18	LCD BMS-DISPLAY 056U48-A18
020.001	△	052U48SS4 *		OPENCELL SS LSC480FJ01-A/P	OPENCELL SS LSC480FJ01-A/P
020.002	△	ZBE60600-AC *		LED BAR 48 - 7 LI A TIP APOLLON	LED BAR 48 - 7 LI A TIP APOLLON
020.003	△	ZBF60600-AC *		LED BAR 48 - 7 LI B TIP APOLLON	LED BAR 48 - 7 LI B TIP APOLLON
020.004	△	ZBG60600-AC *		LED BAR 48 - 6 LI C TIP APOLLON	LED BAR 48 - 6 LI C TIP APOLLON
020.005	△	ZBH60600-AC *		LED BAR 48 - 6 LI D TIP APOLLON	LED BAR 48 - 6 LI D TIP APOLLON
020.100	△	759551798700		T-CON MODUL (XMB)	T-CON BOARD (XMB)
022.000	△	759551805300		NETZKABEL 49 MIT NETZSCHALTER	POWER CORD 49 WITH POWER SWITCH
023.000	△	275990322800		NETZTEIL (ZKP)	POWER SUPPLY (ZKP)
024.000	△	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	△	275991220600	X	CHASSISMODUL KT (NVF)	CHASSIS BOARD KT (NVF)
027.000		759551803800		FERNBEDIENUNG TS4 NETFLIX	REMOTE CONTROL TS4 NETFLIX
028.000		720117145400		FERNBEDIENUNG TP EASY WEISS	REMOTE CONTROL TP EASY WHITE
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPAFANGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6 PIN P=1MM L=150MM	CABLE FFC 6 PIN P=1MM L=150MM
038.000	△	759551790000		WIFI MODUL	WIFI BOARD
039.000	△	759551797400		UHD MODULE (ZKP)	UHD BOARD (ZKP)
090.000		759551798800		KARTON 48	CARTON 48
091.000		759551798900		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
				Die Bedienungsanleitung können Sie über folgender Adresse abrufen: www.grundig.de/service/downloads	The instruction manual can be downloaded under following address: www.grundig.de/service/downloads

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

12 / 2015

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLYGRUNDIG
TV

Lugano 55 CLX 8585 SL

BESTELL-NR. / ORDER NO.: MNV000 (MNV)

Pos.	Fig.	Material-Nr. Part No.	Ref.	(D) Bezeichnung	(GB) Description
		MNV000 *		Lugano 55 CLX 8585 SL PRODUKT CODE MNV Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem Service-Portal " http://service.grundig.de ".	Lugano 55 CLX 8585 SL PRODUCT CODE MNV Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the service portal " http://service.grundig.de ".
001.000		759551797700		GEH.- VORDERTEIL SILBER	FRONT CABINET SILVER
002.000		759551811300		RUECKWAND SILBER	BACK COVER SILVER
003.000		759551811400		GEH.- MITTELTEIL SILBER *1	CABINET MIDDLEPART SILVER *1
003.000		759551830800		GEH.-MITTELTEIL SILBER *2	CABINET MIDDLEPART SILVER *2
005.000		759551798300		STANDFUSS CHROM	STANDFOOT CHROME
005.100		759551808000		STANDFUSSSCHRAUBE 40X10	STANDFOOTSCREW 40X10
005.200		759551811500		STANDFUSSHALTER LINKS SILBER	STANDFOOTHOLDER LEFT SILVER
005.300		759551811600		STANDFUSSHALTER RECHTS SILBER	STANDFOOTHOLDER RIGHT SILVER
015.000		759551798600		LAUTSPRECHER 8R 15/18W 182x30MM	SPEAKER 8R 15/18W 182x30MM
017.000		759551795100		LAUTSPR. WOOFER 40 BMS (10W)	SUBWOOFER 40 BMS (10W)
018.000		759551780200		KABEL LVDS 41P 0,5MM 310MM	CABLE LVDS 41P 0,5MM 310MM
019.000		759551787400		KABEL FFC LVDS 51P 0,5MM 310MM	CABLE FFC LVDS 51P 0,5MM 310MM
020.000	⚠	057U55-A04 *		LCD BMS 056U55-A04 KT BD-BF	LCD BMS 056U55-A04 KT BD-BF
020.001	⚠	052U55SS1 *		LCD SS LSC550FJ03 U100 3D	LCD SS LSC550FJ03 U100 3D
020.002	⚠	ZBK60600-AB *		LED BAR 55 - 8 LI A TIP APOLLON	LED BAR 55 - 8 LI A TIP APOLLON
020.003	⚠	ZBK60600-AB *		LED BAR 55 - 8 LI B TIP APOLLON	LED BAR 55 - 8 LI B TIP APOLLON
020.004	⚠	ZBL60600-AB *		LED BAR 55 - 7 LI C TIP APOLLON	LED BAR 55 - 7 LI C TIP APOLLON
020.005	⚠	ZBM60600-AB *		LED BAR 55 - 7 LI D TIP APOLLON	LED BAR 55 - 7 LI D TIP APOLLON
020.100	⚠	759551797800		T-CON MODUL (XMC)	T-CON BOARD (XMC)
021.100		759551827200		KABEL CHASSIS-NETZTEIL 600MM 14P	CABLE CHASSIS-POWER 600MM 14P
022.000	⚠	759551805200		NETZKABEL 55 MIT NETZSCHALTER	POWER CORD 55WITH POWER SWITCH
023.000	⚠	275990322500		NETZTEIL (ZJG)	POWER SUPPLY (ZJG)
024.000	⚠	759551737800		NETZSCHALTER OHNE HALTER	POWER SWITCH WITHOUT HOLDER
025.000	⚠	275991220500	X	CHASSISMODUL KT (NVG) *1	CHASSIS BOARD KT (NVG) *1
025.000	⚠	275991240600	X	CHASSISMODUL KT (IV5) *2	CHASSIS BOARD KT (IV5) *2
027.000		759551803800		FERNBEDIENUNG TS4 NETFLIX *1	REMOTE CONTROL TS4 NETFLIX *1
027.000		759551840000		FERNBEDIENUNG TS5 NETFLIX *2	REMOTE CONTROL TS5 NETFLIX *2
028.000		720117145400		FERNBEDIENUNG TP EASY WEISS	REMOTE CONTROL TP EASY WHITE
031.000		759551797300		IR/LED MODUL (ZMP)	IR/LED BOARD (ZMP)
032.000		759551786600		IR-EMPFÄNGER TSOP36438TT	IR-RECEIVER TSOP36438TT
033.000		759551549100		LED-SMD 1206 BLAU 250MCD 3.3V	LED-SMD 1206 BLUE 250MCD 3.3V
034.000		759551798000		FLACHBANDKABEL 6P 1MM L=150MM	CABLE FFC 6P 1MM L=150MM
038.000	⚠	759551790000		WIFI MODUL	WIFI BOARD
038.100		759551825900		VERBINDUNGSKABEL USB 6P 400MM	CABLE USB 6P 400MM
039.000	⚠	759551797400		UHD-MODUL (ZKP)	UHD BOARD (ZKP)
040.000		759551626200		KABEL LVDS 51 P 300MM	CABLE LVDS 51 P 300MM
090.000		759551798400		KARTON 55	CARTON 55
091.000		759551798500		POLSTER 4-TEILIG	CUSHION 4-PARTS
				* KEIN ERSATZTEIL X = SIEHE GESONDERTE E-LISTE	* NO SPARE PART X = SEE SEPARATE PARTS LIST
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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

TV

[illegible]