

AOC®



**Modern TV Experience —
the AOC WA91 and the WB81 Series**

PRODUCT RANGE 2009/2

MODERN TV EXPERIENCE— THE AOC

WA91 SERIES

The AOC International (Europe) GmbH presents with its new WA91 series an extraordinary HDTV standard. In the 19" to 42" size range, the TV sets impress with outstanding technology and design. Really state-of-the-art are the built-in MPEG-4 (H.264) HD decoder and an enhanced picture quality. A translucent red deco plat gives the frame a beautiful and elegant appearance. This new series offers further more features:

- ➔ **H.264/MPEG-4 AVC decoder built-in:**
High Definition digital decoder.
- ➔ **Dynamic contrast:**
>3000:1 (18.5"), 2400:1 (21.6")
>3000:1 (26"), 7500:1 (32"), 12000:1 (42")
better and greater picture contrast ratio
- ➔ **SCART plus:** Allow VCR to record
DVB-T programs from SCART is possible.
- ➔ **OAD (Over-air-download):** Update new software
via antenna to have new services or update
new F/W is possible.
- ➔ **USB service port:** Update new F/W.
Publish new F/W in AOC web. After service
and cost are easier and cheaper.
- ➔ **HDMI connector:** v1.3 with CEC support
- ➔ **Colour Boosting:** To have saturated and vivid colour
and nature skin-tone by green enhancement, blue
stretch and skin-tone correction technologies.
- ➔ **Contrast Enhancement:** To achieve better details in
black and white scenes simultaneous by black stretch
and dynamic back light technologies.
- ➔ **OSD languages:** 24 languages: Bulgarian, Croatian,
Czech, Danish, Dutch, English, Finnish, French,
German, Greek, Hungarian, Italian, Irish, Norwegian,
Polish, Portuguese, Rumanian, Russian, Serbian,
Slovakian, Slovenian, Spanish, Swedish, Turkish.
- ➔ **User manual / QRG:** 16. English, Spanish, French,
German, Italian, Dutch, Swedish, Danish, Finnish,
Greek, Norwegian, Portuguese, Russian, Polish,
Czech, Turkish.
- ➔ **AC power switch:** full range

Every model offers a wide viewing angle (H/V 170°/160° to 178°/178°), which guarantees a perfect perspective on its 16:9 screen. Thanks to the HD 1366x768 screen solution for the 19"—32" and the Full HD 1920 x 1080@60Hz television, digital television programmes, movies, and PC applications show up in vivid nature pictures and high quality. Analogue and digital TV and PC connectors (D-SUB), CI slot as well as Video inputs (HDMI, SCART) and two built-in speakers complete the ultimate Home Entertainment adventure.

All TV's of the WA91 series have the build in DVB-T tuner.

Model	PAL SECAM DVB-T	HD 1366x768 panel	Full HD 1920x1080 panel	H.264 MPEG4
L19WA91	■	■		■
L22WA91	■	■		■
L26WA91	■	■		■
L32WA91	■	■		■
L42HA91	■		■	■



Back connections

On the rear of the TV the user will find all relevant connections, which are:

HDMI 1, HDMI 2

Scart 1, Scart 2

Component

PC in

VGA & Audio

The details for AOC's 26" & 32" Tv's are:

AV-In

HDMI, CI slot

Earphone

YOUR ELEGANT TV SOLUTION – THE AOC

WB81 SERIES

The AOC WB81 television series is our newest for 2009. The WB81 series provides best picture and sound quality and has also a beautiful design with a slim bezel and piano black finish. The series offers 19”–32” TVs. There are great for a bedroom, kitchen, family and living room.

With introducing the new WB81 LCD TV Series, the AOC International (Europe) GmbH impressively continues its high quality measures set in the Home Entertainment branch. The new product line includes modern designed monitors with fashionably features. Within the new range HD-ready TV every customer will discover his individual favorite.

Surrounded by a high-glossy black frame, the blue crystal panels offer a 16:9 wide screen format. Provided with HDMI connections, analogue and digital hybrid tuners, the LCD TV sets display digital television, videos, games, and PC applications in an outstanding quality. Furthermore, two integrated high quality speakers give the impression of a three-dimensional sound experience. NICAM also enables digital stereo sound output.

- ➔ **DVB-T tuner built-in**
- ➔ **Dynamic contrast:**
 - >3000:1 (18.5“), 3000:1 (21.6“)
 - >3000:1 (26“), 3600:1 (32“)
 - better and greater picture contrast ratio
- ➔ **SCART plus:** Allow VCR to record DVB-T programs from SCART is possible.
- ➔ **OAD (Over-air-download):** Update new software via antenna to have new services or update new F/W is possible.
- ➔ **USB service port:** Update new F/W. Publish new F/W in AOC web. After service and cost are easier and cheaper.
- ➔ **HDMI connector:** v1.3 with CEC support
- ➔ **Colour Boosting:** To have saturated and vivid colour and nature skin-tone by green enhancement, blue stretch and skin-tone correction technologies.
- ➔ **Contrast Enhancement:** To achieve better details in black and white scenes simultaneous by black stretch and dynamic back light technologies.
- ➔ **OSD languages:** 24 languages: Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Irish, Norwegian, Polish, Portuguese, Rumanian, Russian, Serbian, Slovakian, Slovenian, Spanish, Swedish, Turkish.
- ➔ **User manual / QRG:** 6 / English, French, German, Italian, Spanish, Turkish

Model	PAL SECAM DVB-T	HD 1366x768 panel
L19WB81	■	■
L22WB81	■	■
L26WB81	■	■
L32WB81	■	■



Control panel

Vol+, Vol-,
Channel up, Channel down,
Menu
Input
Power

With new Technology to outstanding Picture Quality.

To achieve clear and detailed pictures in vivid and natural colors, AOC established the Dynamic Color Boost System (DCB). The DCB analyzes the RGB signal input and enhances the color adjustments. The following types of boost are given: **Green Enhancement** / **Blue Stretch** / **Skin tone correction**

A high **Contrast Ratio** is perfect for watching movies or videos. AOC's DCR auto adjust the brightness of the screen. Exaggeration of lightness and darkness enables more picture details.

The **Dynamic Backlight** is another tool to improve the picture quality. The backlight will be dimmed which gives the viewer a higher picture contrast and a better viewing angle for dark scennes.

➔ **Green Enhancement:** More natural and deeper colour, AOC's offers special Colour Boosting enhancer which is extended to display the natural green of the colour spectrum.



➔ **Blue Stretch:** Stretching white towards blue, not affecting more saturated colours (skin tone etc)



➔ **Skin tone Correction:** shifting colours near skin tone towards preferred skin tone



➔ **Black Stretch:** Pull picture to black while keeping white level if picture contains no black.



➔ **Dynamic Backlight:** Dimming the backlight depending upon scene brightness. Histogram correction of video to improve contrast and detail. Also improves perceived viewing angle for dark scenes.





PRODUCT (MODEL NO.)
Size
Aspect ratio
Visible screen size (appr. mm)
Panel Type
Panel maker
DISPLAY
Brightness (cd/m ²)
Contrast ratio (Panel contrast ratio)
Panel resolution (pixels)
Display area (mm)
Pixel pitch (mm)
Viewing angle (H/V)
Response time (msec)
Lamp life (hrs)
Display colors
Colour temperature
RECEIVING SYSTEM
Broadcasting system (SD) Analogue / Digital
Broadcasting system (HD), MPEG-4 / H.264AVC
Autostore / sorting / plug & play
NTSC video playback
CONVENIENCE
Text page memory (pages)
Electronic programme guide (EPG)
Interactive
Auto volume level
OAD (Over air download)
PICTURE ENHANCEMENT
3D MA deinterlacing
Digital comb filter
3:2 & 2:2 pull down
Dynamic backlight control / Dynamic contrast ratio
Blue / black / white stretch enhancement
Skin tone correction
Picture mode
SOUND QUALITY
Audio output power (RMS)
Nicam stereo / A2 / mono / Dual I-ii
High fidelity sound system
Sound mode
CONNECTIVITY
RF input
Number of SCARTs
AV input
S-video
Side AV / S-video / headphone / HDMI
HDMI (HDCP)
Component video / RL audio input (RCA)
Audio stereo output (RCA)
SPDIF digital sound output
D-sub, PC compatible
USB (for service)
Common Interface slot (PCMCIA format)
OTHER FEATURES
PIP / POP
PC Input (Recommended timing)
Child lock / Sleep timer
Light sensor (wisdon light)
OSD Languages
User manual languages and Quick setup guide languages
WALL MOUNTABLE
Mounting hole spacing, H x V (mm), VESA
DIMENSIONS
Width (mm)
Height with / without stand (mm)
Depth with / without stand (mm)
Weight with Stand (kg)
Table stand
TV tilt on table stand (forward/backward)
TV rotate on table stand
POWER
Power supply
Power consumption (W), typical
Standby power consumption (W)
Switch off power consumption (W)
CONTAINER LOADING QUANTITY
40' / 20' (units) with pallet
EAN CODE

L19WA91
18,5"
16:9
470
LCD
CMO or equiv.
300
1000:1
1366 x 768
410 x 230
0.1 x 0.3
170° / 160°
5 ms
> 40000
16.7 million
Normal / Cool / Warm
PAL / SECAM / DVB-Terrestrial
Yes
Yes / Yes / Yes
Yes
1000 pages Fasttext
7 days
MHEG5
Yes
Yes
Yes
Yes
Personal, Standard, Vivid, Movie, Eco (5 modes)
2 x 3W
Yes / Yes / Yes / Yes
Virture Surround
Personal, Music, Speech (3 modes)
1
1
-
-
1 / - / - / -
1 (v1.3 with CEC)
1 / 1
1
1 (coaxial)
1
1
1
- / -
1360 x 768@60Hz
Yes / Yes
-
24 languages ¹
16 languages ²
100 x 100
465
346 / 308
171 / 69
4
Included
0° / 15°
No
AC220V~240V, 50/60 Hz
50W
< 1 W
0
1540 / 700
4038989390559

L22WA91
21,6"
16:9
548
LCD
CMO or equiv.
400
800:1
1366 x 768
477 x 268
0.11655 x 0.3495
170° / 160°
5 ms
> 50000
16.7 million
Normal / Cool / Warm
PAL / SECAM / DVB-Terrestrial
Yes
Yes / Yes / Yes
Yes
1000 pages Fasttext
7 days
MHEG5
Yes
Yes
Yes
Yes
Personal, Standard, Vivid, Movie, Eco (5 modes)
2 x 3W
Yes / Yes / Yes / Yes
Virture Surround
Personal, Music, Speech (3 modes)
1
1
-
-
1 / - / - / -
1 (v1.3 with CEC)
1 / 1
1
1 (coaxial)
1
1
1
- / -
1360 x 768@60Hz
Yes / Yes
-
24 languages ¹
16 languages ²
100 x 100
535
384 / 347
171 / 69
4,9
Included
0° / 15°
No
AC220V~240V, 50/60 Hz
60W
< 1 W
0
1056 / 480
4038989320518

Remarks: The specifications are subject to change without notice.



L26WA91
26"
16:9
660
LCD
LGD or equiv.
450
1000:1
1366 x 768
576 x 324
0.145 x 0.4215
178° / 178°
5 ms
> 50000
16.7 million
Normal / Cool / Warm
PAL / SECAM / DVB-Terrestrial
Yes
Yes / Yes / Yes
Yes
1000 pages Fasttext
7 days
MHEG5
Yes
Yes
Yes
3D comb filter
Yes
Yes / 3000:1
Yes / Yes / Yes
Yes
Personal, Standard, Vivid, Movie, Eco (5 modes)
2 x 5W
Yes / Yes / Yes / Yes
Virture Surround
Personal, Music, Speech (3 modes)
1
2
-
-
1 / - / 1 / 1
2 (v1.3 with CEC)
1 / 1
-
1 (optical)
1
1
1
- / -
1360 x 768@60Hz
Yes / Yes
-
24 languages ¹
16 languages ²
200 x 100
659
489 / 449
232 / 104
8,5
Included
No
-15° ~ +15°
AC 220V ~ 240V, 50/60 Hz
120W
< 1W
0
640 / 280
4038989360583

L32WA91
32"
16:9
800
LCD
CMO or equiv.
450
2500:1
1366 x 768
698 x 392
0.17025 x 0.51075
176° / 176°
6,5 ms
> 50000
16.7 million
Normal / Cool / Warm
PAL / SECAM / DVB-Terrestrial
Yes
Yes / Yes / Yes
Yes
1000 pages Fasttext
7 days
MHEG5
Yes
Yes
Yes
3D comb filter
Yes
Yes / 7500:1
Yes / Yes / Yes
Yes
Personal, Standard, Vivid, Movie, Eco (5 modes)
2 x 10W
Yes / Yes / Yes / Yes
Virture Surround
Personal, Music, Speech (3 modes)
1
2
-
-
1 / - / 1 / 1
2 (v1.3 with CEC)
1 / 1
-
1 (optical)
1
1
1
- / -
1360 x 768@60Hz
Yes / Yes
Yes
24 languages ¹
16 languages ²
200 x 200
793
562 / 527
233 / 104
12,4
Included
No
-15° ~ +15°
AC 220V ~ 240V, 50/60 Hz
130W
< 1W
0
468 / 216
4038989330524

L42HA91
42"
16:9
1067
LCD
CMO or equiv.
450
4000:1
1920 x 1080
930 x 523
0.1615 x 0.4845
176° / 176°
6,5 ms
> 50000
16.7 million
Normal / Cool / Warm
PAL / SECAM / DVB-Terrestrial
Yes
Yes / Yes / Yes
Yes
1000 pages Fasttext
7 days
MHEG5
Yes
Yes
Yes
3D comb filter
Yes
Yes / 12000:1
Yes / Yes / Yes
Yes
Personal, Standard, Vivid, Movie, Eco (5 modes)
2 x 10W
Yes / Yes / Yes / Yes
Virture Surround
Personal, Music, Speech (3 modes)
1
2
-
-
1 / - / 1 / 1
2 (v1.3 with CEC)
1 / 1
-
1 (optical)
1
1
1
- / -
1360 x 768@60Hz
Yes / Yes
Yes
24 languages ¹
16 languages ²
200 x 200
1015
678 / 655
276 / 124
21,3
Included
No
-15° ~ +15°
AC 220V ~ 240V, 50/60 Hz
200W
< 1W
0
220 / 110
4038989380536

¹ 24 languages:
Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Rumanian, Russian, Serbian, Slovakian, Slovenian, Spanish, Swedish, Turkish, Irish

² 16 languages:
English, French, German, Italian, Spanish, Portuguese, Greek, Dutch, Danish, Finnish, Swedish, Norwegian, Polish, Czech, Russian, Turkish



PRODUCT (MODEL NO.)
Size
Aspect ratio
Visible screen size (appr. mm)
Panel Type
Panel maker
DISPLAY
Brightness (cd/m ²)
Contrast ratio (Panel contrast ratio)
Panel resolution (pixels)
Display area (mm)
Pixel pitch (mm)
Viewing angle (H/V)
Response time (msec)
Lamp life (hrs)
Display colors
Colour temperature
RECEIVING SYSTEM
Broadcasting system (SD) Analogue / Digital
Broadcasting system (HD), MPEG-4 / H.264AVC
Autostore / sorting / plug & play
NTSC video playback
CONVENIENCE
Text page memory (pages)
Electronic programme guide (EPG)
Interactive
Auto volume level
OAD (Over air download)
PICTURE ENHANCEMENT
3D MA deinterlacing
3:2 & 2:2 pull down
Dynamic backlight control / Dynamic contrast ratio
Blue / black / white stretch enhancement
Skin tone correction
Picture mode
SOUND QUALITY
Audio output power (RMS)
Nicam stereo / A2 / mono / Dual I-II
High fidelity sound system
Sound mode
CONNECTIVITY
RF input
Number of SCARTs
AV input
S-video
Side AV / S-video / headphone / HDMI
HDMI (HDCP)
Component video / RL audio input (RCA)
Audio stereo output (RCA)
SPDIF digital sound output
D-sub, PC compatible
USB (for service)
Common Interface slot (PCMCIA format)
OTHER FEATURES
PIP / POP
PC Input (Recommended timing)
Child lock / Sleep timer
Light sensor (wisdon light)
OSD Languages
User manual languages and Quick setup guide languages
WALL MOUNTABLE
Mounting hole spacing, H x V (mm), VESA
DIMENSIONS
Width (mm)
Height with /without stand (mm)
Depth with /without stand (mm)
Weight with Stand (kg)
Table stand
TV tilt on table stand (forward/backward)
TV rotate on table stand
POWER
Power supply
Power consumption (W), typical
Standby power consumption (W)
Switch off power consumption (W)
CONTAINER LOADING QUANTITY
40' / 20' (units) with pallet
EAN CODE

L19WB81
18,5"
16:9
470
LCD
CMO or equiv.
300
1000:1
1366 x 768
410 x 230
0.1 x 0.3
170° / 160°
5 ms
> 40000
16.7 million
User / Cool / Warm
PAL / SECAM / DVB-Terrestrial
-
Yes / Yes / Yes
-
100 pages Fastext
7 days
MHEG5
Yes
Yes
Yes
Yes
Yes
Yes
Yes / 3000:1
Yes / Yes / Yes
Yes
Personal, Movie, Sport, Weak signal, Game, Auto (6 modes)
2 x 3W
Yes / Yes / Yes / Yes
Virture Surround
Personal, Speech, Music, Theatre (4 modes)
1
1
-
-
1 / - / 1 / -
1 (v1.3 with CEC)
1 / 1
-
1 (coaxial)
1
1
1
- / -
1360 x 768@60Hz
Yes / Yes
-
24 languages ¹
6 languages ²
100 x 100
446
361 / 322
144 / 65
4
Included
0° / 15°
No
AC 100V ~ 240V, 50/60Hz
TBC
< 1 W
-
TBC / TBC
4038989390566

L22WB81
21,6"
16:9
548
LCD
LGD or equiv.
350
1000:1
1366 x 768
477 x 268
0.11655 x 0.3495
170° / 160°
5 ms
> 50000
16.7 million
User / Cool / Warm
PAL / SECAM / DVB-Terrestrial
-
Yes / Yes / Yes
-
100 pages Fastext
7 days
MHEG5
Yes
Yes
Yes
Yes
Yes / 3000:1
Yes / Yes / Yes
Yes
Personal, Movie, Sport, Weak signal, Game, Auto (6 modes)
2 x 3W
Yes / Yes / Yes / Yes
Virture Surround
Personal, Speech, Music, Theatre (4 modes)
1
1
-
-
1 / - / 1 / -
1 (v1.3 with CEC)
1 / 1
-
1 (coaxial)
1
1
1
- / -
1360 x 768@60Hz
Yes / Yes
-
24 languages ¹
6 languages ²
100 x 100
512
401 / 364
144 / 61
5
Included
0° / 15°
No
AC 100V ~ 240V, 50/60Hz
TBC
< 1 W
-
TBC / TBC
4038989320570

Remarks: The specifications are subject to change without notice.



L26WB81
26"
16:9
660
LCD
LGD or equiv.
450
1000:1
1366 x 768
576 x 324
0.145 x 0.4215
178° / 178°
8 ms
> 50000
16.7 million
User / Cool / Warm
PAL / SECAM / DVB-Terrestrial
-
Yes / Yes / Yes
-
100 pages Fastext
7 days
MHEG5
Yes
Yes
Yes
Yes
Yes
Yes
Yes / 3000:1
Yes / Yes / Yes
Yes
Personal, Movie, Sport, Weak signal, Game, Auto (6 modes)
2 x 5W
Yes / Yes / Yes / Yes
Virtual Surround
Personal, Speech, Music, Theatre (4 modes)
1
2
-
-
1 / - / 1 / -
2 (v1.3 with CEC)
1 / 1
-
1 (coaxial)
1
1
1
- / -
1360 x 768 @ 60Hz
Yes / Yes
-
24 languages ¹
6 languages ²
200 x 100
652
486 / 435
220 / 89
9
Included
No
No
AC 220V ~ 240V, 50/60Hz
TBC
< 1 W
-
TBC / TBC
4038989360590

L32WB81
32"
16:9
800
LCD
LGD or equiv.
500
1200:1
1366 x 768
698 x 392
0.17025 x 0.51075
178° / 178°
8 ms
> 50000
16.7 million
User / Cool / Warm
PAL / SECAM / DVB-Terrestrial
-
Yes / Yes / Yes
-
100 pages Fastext
7 days
MHEG5
Yes
Yes
Yes
Yes
Yes
Yes / 3600:1
Yes / Yes / Yes
Yes
Personal, Movie, Sport, Weak signal, Game, Auto (6 modes)
2 x 5W
Yes / Yes / Yes / Yes
Virtual Surround
Personal, Speech, Music, Theatre (4 modes)
1
2
-
-
1 / - / 1 / -
2 (v1.3 with CEC)
1 / 1
-
1 (coaxial)
1
1
1
- / -
1360 x 768 @ 60Hz
Yes / Yes
-
24 languages ¹
6 languages ²
200 x 200
783
558 / 508
209 / 94
11
Included
No
No
AC 220V ~ 240V, 50/60Hz
TBC
< 1 W
-
TBC / TBC
4038989330609



Comply with EICTA interoperability requirements, is capable to process and display 720p high definition signals



MPEG-4 is a highly efficient of audio and visual (AV) digital data coding/decoding for High Definition streams. This decoder is built-in to the AOC A91 series TV's for high definition TV programmes receiving



Display devices bearing the " Full HD 1080p" logo feature a 1920 x 1080 screen resolution. That can in addition to 720p and 1080i also accept, process and display High Definition 1080p signals.



Enhance three-dimensional sound perception by 2 speakers.



Optimized HDMI connections are specially designed for hi-def digital video/audio signals for home theater applications and professional home theater installations.



Better picture and sound quality transmitted by digital signal compares with traditional analogue transmission.



Identify digital TV products (e.g. integrated digital TV sets, digital boxes and digital television recorders/PVRs) that are designed to continue working after switchover in UK.



Adheres to the EU Directive on the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment.



Freeview is the easiest way to enjoy digital TV for free in UK. There are up to 48 digital TV channels, no subscription, no contract, no fuss.



Boxer TV Access is a Swedish company providing pay television channel on the digital terrestrial television network in Sweden and the new AOC products support this.



Setanta Sports is the home of live sport on television and is available on satellite, Freeview, cable and broadband.



TNT (Télévision Numérique Terrestre) is the national digital terrestrial service for France. It formally arrived on 31 March 2005. Like Freeview in the United Kingdom it will support many new channels as well as the current terrestrial television stations.

¹ 24 languages:
Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Rumanian, Russian, Serbian, Slovakian, Slovenian, Spanish, Swedish, Turkish, Irish

² 6 languages:
English, French, German, Italian, Spanish, Turkish

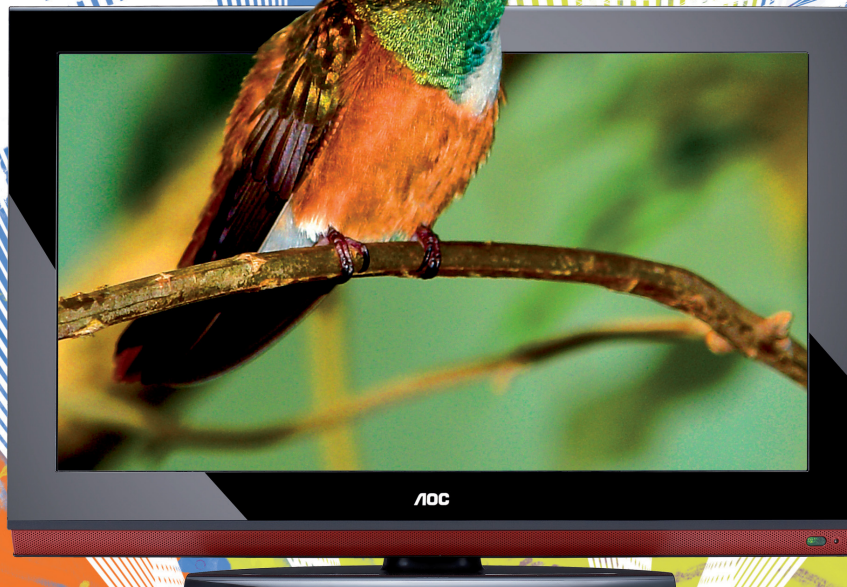
AOC Service & Support

The AOC LCD-TV's come with a 3 Years warranty.

But if problems appear or you need help with a question AOC has installed a European-wide Support.

Please see the AOC Hotline numbers.

Austria (+43)	0800291391	Greece (+30)	0080049129216	Portugal (+351)	800849225
Belgian (+32)	080073221	Hungary (+36)	0680018756	Romania (+40)	0800 1811405
Bulgaria (+359)	008001104959	Ireland (+353)	1800558000	Slovakia (+421)	0800-004909
Cz. Republic (+420)	800143569	Italy (+39)	800789460	Slovenia (+386)	0800-80883
Denmark (+45)	80884595	Luxembourg (+352)	80027365	Spain (+34)	900948308
Finland (+358)	0800918041	Netherlands (+31)	08000225721	Sweden (+46)	020792590
France (+33)	0800912852	Norway (+47)	80014243	Switzerland (+41)	0800562826
Germany (+49)	0180-3-522376	Poland (+48)	008004911618	UK (+44)	08082343510



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