

marantz®

LCD TV
LC4602e



LC4602e LCD Television

A Marantz flat TV takes you into a world where multimedia entertainment is fused with awe-inspiring elegance. The LC4602e is a high-performance digital Full HD LCD TV with a stunning 46-inch latest generation widescreen liquid crystal display (LCD) and the latest digital image enhancements such as High Performance sharpness control, precise de-interlacing to get the best artefact free picture and outperforming videoprocessing for superior picture quality. Measuring just 100 mm (less than 4 inches) deep, it can easily be wall mounted or placed on your most stylish table or cabinet using the matching swivel stand. Its subtle black acryl frame finish with silver speaker will complement your meticulously selected décor, while the breathtaking picture quality turns every film, event or program into a truly memorable experience. Take the next step in AV excellence.

NEW

because music matters



R A N G E S E R I E S

Features

- 46" Full HD LCD TV with 1920x1080 pixel resolution
- >5000:1 contrast ratio
- Luminance of 500 cd/m²
- 6 millisecond pixel response
- Natural colour reproduction technology
- Precise de-interlacing
- DVB-T and analogue tuner
- Electronic Programme Guide via DVB-T
- 3x HDMI (HDCP conform)
- Multilanguage OSD
- Detachable speakersystem

Benefits

- High quality picture performance complying to the Full HD TV standards
- Provides a clear picture with rich and deeper black tones even in very bright environments. Assure clear, distinct colors without smearing effect
- Ensures a sharp and accurate image
- For a high quality, full bandwidth, digital A/V signal reception from a DVB-T source.
- Easy to setup and operate with direct on screen feedback. Faithful and accurate sound reproduction for maximum enjoyment

Technological glossary:

A visionary experience

The LC4602e provides a complete multimedia home entertainment experience with built-in analogue and digital tuner, stereo loudspeakers and advanced display technology. By using the latest digital image enhancing techniques and incorporating the features only found on the very best sets. And being a Marantz, its standard-setting performance is matched by its stunning good looks. Put it at the heart of your home theater.

LCD image excellence

The LC4602e's widescreen liquid crystal display (LCD) produces an extra bright image (500cd/m²) for perfect viewing enjoyment even in sunlight. This type of display works by having a liquid crystal solution between two sheets of polarized glass. An electric current causes the crystal in a particular pixel to align and block light, switching the current off allows light to pass through again. With a pixel response of 6 milliseconds a dynamic TV picture can be built up in crisp vivid colors that rivals conventional CRT TVs. And of course, LCD TVs are much thinner and more energy efficient than CRTs too.

High quality de-interlacing

A conventional TV image is interlaced, where each 'frame' is built up from two interlaced image fields that are viewed simultaneously. However, when viewing interlaced video on non-interlaced TVs (like LCD) that display the interlaced images sequentially, an artifact known as 'tear' is visible. Tearing is due to both fields showing the object moving at slightly different times. The Marantz LC4602e has a motion compensated de-interlacer that merges the two fields to faithfully reproduce the original frame without unpleasant motion artifacts.

Digital transient improvements

Behind the scenes, advanced digital image processing algorithms optimize picture quality, leaving you free to enjoy the ultimate viewing experience. Digital Color Transient Improvement (DCTI) reduces color smear at the vertical edges of bright colored areas on the TV image whereas Digital Luminance Transient Improvement (DLTI) enhances contour detail in scenes for a sharper, more natural picture.

Black level expansion

Black level expansion creates richer, deeper black tones. It dynamically analyses every image and literally 'stretches' dark areas to a realistic black while leaving light areas untouched. The result is better contrast, without black areas looking gray if you increase the picture brightness.

10-Bit digital gamma processing

The LC4602e uses a high-performance, 10-bit digital gamma processing circuit to optimize the non-linear imaging characteristics of LCD panels. It is far superior to conventional analogue and lesser bit-rate gamma processing; this circuitry delivers natural colors and smooth image graduation.

4H digital comb filter

Unlike the lower quality comb filters, the 4H Comb Filter in Marantz LCD TV's separates signals for brightness and color with an advanced technology. The processing of RF and composite video signals is done far more accurately for a sharper, cleaner picture. In addition the filter reduces discoloration in fine detailed area in a picture and provides good overall color purity. This clearly separates color boundaries and making images softer and cleaner. Detail noise is reduced significantly. This noise can normally be seen as shimmering or flicker, in complex or intricately detailed scenes.

Digital video input

If you want the best you need a digital video connection. Whether you're watching a ball game or an action-packed movie in high definition, without question, the picture quality is stunning. For high definition all digital video to look its best, the data must be transferred from your source to your LC4602e digital. The 3x HDMI input on the LC4602e is a pure digital high bandwidth video interface and complies with the HDCP protocol. What you see on your screen is exactly what was digitally recorded. You'll enjoy a razor sharp picture with incredible detail and vibrant, natural colors.

Bypacked accessories

- User manual
- Remote control
- Antenna cable
- Batteries

RC3701



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FEATURES

DVB-T digital TV tuner
MHEG5 support
Analogue TV tuner
Colour Transmission PAL B/G, D/K, I,
Systems SECAM B/G, D/K, L
Multinorm
HDTV ready (720p / 1080i)
Supported PC Resolution: (VGA
/ SVGA / XGA / WXGA /
SXGA)
Channel Presets 99
Speakers System (fix / detachable) -/•

PICTURE PROCESSING

Progressive Scan
Film mode detection
Noise Reduction
Color Temperature (standard /
warm / cool) •/2/2
Control: (Sharpness / Contrast /
Brighthness / Colour / Tint) •/•/•/•/•
Selectable Aspect Ratio Modes
Picture Modes (Standard /
Natural / Dynamik / User) •/•/•/•
PIP (multiple screen / swap / size
/ position) •/•/•/•

SOUND PROCESSING

Sound System: A2 Sterep / Nicam
Stereo •/•
Digital Signal Processing
Bass/Treble Control - (via Equalizer)
Sound Equalizer (Standard, Music,
Movie, News, User)
Language I-II Selection
Virtual surround
AVL (Automatic Volume Level)

OTHERS

Multilanguage On Screen Display (En,
De, Fr, Sp, It)
PIP/POP/Double window •-/•
Channel Surf Loop
Automatic Tuning System
Manual Channel Sorting (editing /
naming)
Fine Tune
Sleep Timer
Teletext (TT)
TT Page Memory 252
Still picture
Auto Power Off
Key Lock

INPUTS/OUTPUTS

DVi (HDCP)
HDMI (HDCP) 3
Scart In/Out (RGB) 2 (1 RGB)
Component In (Y, Cb/Pb, Cr/Pr)
S-video In
S-composite
VGA In
Audio In VGA (stereo RCA)
Antenna In
CAM (conditional access module) Slot
Card Reader
Subwoofer out
Headphone out
Audio Out (Constant level) 1
Digital Audio Out on DVB (opt. /
coax.) •/•
RS232 (control / update) -/•

SPECIFICATIONS

Visible Screen Diagonal 46 inch
Aspect Ratio 16:9
Viewing angle: Hor. / Ver. 178 / 178
Resolution 1920 x 1080
Pixel pitch TBA
Contrast Ratio (Dark Room) >5.000:1
Brightness 500 cd/m2
Response time 6ms
A-Class panel
Output Power (8 Ohm RMS) 2ch 10W
Power input
voltage AC100V-240V 50/60Hz

GENERAL

Colour black
Remote
Power Consumption (typical) 230W
Standby Consumption <2W
Tablestand included
Wallmount included
Dimensions (excl. table stand) 1143 x 115
x 773
Dimensions (incl. table stand) 1143 x 350
x 845
Weight (incl. table stand) 36,7 kg

Design and specifications are subject
to change by Marantz without notice.

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