

# marantz®

LCD TV

LC3050



## LC3050 LCD Television

A Marantz flat TV takes you into a world where multimedia entertainment is fused with awe-inspiring elegance. The LC3050 is a high-performance digital TV with a stunning 30-inch (76-cm) widescreen liquid crystal display (LCD) and the latest digital image enhancements. Measuring just 1000 mm (less than 4 inches) deep, you can hang it on your wall or place it on your most stylish table or cabinet using the matching stand. Its subtle silver and black finish 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**



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## Features

- Liquid crystal display
- High quality de-interlacing
- Digital Luminance Transient Improvement
- Digital Color Transient Improvement
- Black Level Expansion
- DVi-D video input (with HDCP)
- Intuitive on screen menu
- High quality 2-way speaker system

## Benefits

- High quality picture performance with natural colors and a very long
- Provides the most accurate reconstruction of the original film content without motion artifacts
- Ensures a sharp and accurate image
- Assure clear, distinct colors without smearing effect
- Outputs richer and deeper black tones
- For a high quality, full bandwidth, uncompressed digital video signal transmission from a (Marantz) digital source like a DVD player
- Easy to setup and operate with direct on screen feedbackFaithful and accurate sound reproduction for maximum enjoyment

## Technological glossary:

### A visionary experience

The LC3050 provides a complete multimedia home entertainment experience with built-in 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 LC3050's widescreen liquid crystal display (LCD) produces an extra bright image (450cd/m<sup>2</sup>) 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. In this way, 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 view simultaneously. However, when viewing interlaced video on non-interlaced TVs (like LCD) that display the interlaced images sequentially, an artifacts known as 'tear' is visible. Tearing is due to both fields showing the object moving at slightly different times. The Marantz LC3050 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 LC3050 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. It could be better, though. For high definition all digital video to look its best, the data must be transferred from your digital source to your LC3050. The DVi-D input on the LC3050 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
- Power cable
- Remote control
- Batteries
- AC/DC adaptor
- VGA cable
- DV-i cable
- PC Audio cable

## RC3050LC



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## FEATURES

Colour Transmission Systems (off-air)	PAL B/G/I/D/K, SECAM B/G/I/L/LÖ/D/K
Supported PC Resolution: VGA / SVGA / XGA / WXGA / SXGA	•/•/•/•/•/-
HD/DTV Compatibility	• (DVi in)
NTSC Video Playback	•
Channel Presets	100
Build-in Speakers System	2-way
<b>PICTURE PROCESSING</b>	
Digital Colour Transient Improvement (DCTI)	•
Digital Luminance Transient Improvement (DLTI)	•
Digital 4h Comb filter	•
Per-pixel Motion Compensated Deinterlacing	•
Digital Luminance Peaking	•
Black Level Expansion	•
Control: Sharpness/Contrast/	•/•/•/•/•/- (NTSC)
Brightness/Colour/Tint	-
Colour Settings	-
Selectable Aspect Ratio Modes	•
Picture Modes	Dynamic / Standard / Mild / Game / User
<b>SOUND PROCESSING</b>	
Sound System: A2 + Nicam Stereo	•
Digital Signal Processing	•
Bass/Treble Control	- (via Equalizer)
Equalizer	•
Headphone Volume	•
Language I-II Selection	•
Automatic Volume Correction	• (switchable)
Digital Bass Boost (DBB)	-
Virtual Surround	•
Sound Modes	Flat / Music / Movie / Speech / User

## OTHERS

Intuitive Initial Installation Menu	-
Multilanguage On Screen Display (OSD)	• (Eng, Ger, Fr, Sp, It)
PIP/POP/Double window Channel Surf Loop	•/•/•
Automatic Tuning System	•
Manual Channel Sorting	•
Sleep Timer	•
Teletext 2.5 (TOP FLOP)	•
TT Page Memory	100
Last Status Memory	•

## INPUTS/OUTPUTS

DVi (with HDCP)	1
Scart In/out (RGB)	2 (1 RGB)
Component In	-
S-video In	1
VGA In	1
Antenna In	1
Audio In (mini jack)	1
PC Audio in (mini jack)	1
Subwoofer out	1
Headphone out	1
Audio Out (Constant level)	-

## SPECIFICATIONS

Visible Screen Diagonal	30"
Aspect Ratio	15:9
Viewing angle: Hor. / Ver.	170° / 170°
Panel Type: IPS/MVA	-/•
Resolution	1280 x 768
Pixel pitch	0.5025 x 0.5025 mm
Contrast Ratio (Dark Room)	450:1
Brightness	450 cd/m <sup>2</sup>
Anti-reflex Coated Panel (Polarizer)	•
Display Front Treatment: Hard Coating	• (3H)
Output Power (8 Ohm RMS)	10 Watts
Power Supply (DC input)	AC100V-240V 50/60Hz

## GENERAL

Colour	Aluminum & black
Power Consumption (typical)	130 Watts
Standby Consumption	<3 Watts
Dimensions (excl. table stand) (W x H x D)	850 x 488 x 100 mm
Dimensions (incl. table stand) (W x H x D)	850 x 540 x 245 mm
Weight (excl. table stand)	14.6 kg

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

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