

Features**Video**

- Deinterlacing by Pixelworks
- Color transmission systems (off-air): PAL B/G/I/D/K, SECAM B/G/I/L/L'/D/K
- NTSC video playback
- Digital Color Transient Improvement (DCTI)
- Digital Luminance Transient Improvement (DLTI)
- Per-pixel motion compensation
- Digital luminance peaking
- 10-Bit digital gama processing
- 2-D Comb filter
- Black level expansion
- Digital Noise Reduction
- Selectable picture modes (Movie, Normal, Emphasis)
- Selectable aspect ratio modes

Audio

- Active 2-way speaker system
- Sound system: A2 + Nicam Stereo
- Automatic Volume Correction (AVC)
- Digital Signal Processing
- Digital Bass Boost
- Bass/Treble control
- Language I-II selection
- Selectable sound modes (Personal, Music, Theatre, Voice)
- Virtual Surround

Other

- Automatic Tuning System (ATS)
- 100 Channel presets
- Intuitive initial installation menu
- Multilanguage On Screen Display (OSD)
- Channel banner
- Automatic channel labeling (via ATS)
- Manual channel sorting
- Child Lock
- Channel surf loop
- Sleep timer (90 min)
- Teletext 2.5 (TOP FLOP)
- TT Page memory
- Last status memory
- Anti-reflex coated panel (polarized)
- Hard Coated treatment (3H) for display front
- VESA Wall mounting possibility

Accessories supplied

- Table stand (tilted version)
- Remote control (RC2000LC)
- Batteries (2 x AA)
- Antenna cable
- Power adapter + power cable
- Registration card
- User manual (English, French, Italian, Spanish, German and Dutch)

In/Outputs

Scart in (RGB)	1
S-video in	1
VGA in	1
Antenna in	1
Audio in	2 (RCA & mini jack)
Audio-out (Constant level)	1

Specifications

Visible screen diagonal	20.1"/51 cm
Aspect ratio	4:3
Panel type	Transmissive TFT
Resolution	VGA
Pixel Pitch	0.6975 x 0.6375 mm
Contrast ratio	400:1
Brightness	400 Cd/m ²
Audio output power (8 Ohm RMS)	4.5 Watts x 2
Power consumption (typical)	40 Watts (max. 65 Watts)
Power supply (DC input)	DC 15V - 4A

Other

Color	Silver
Weight (incl. table stand)	8.5 kg
Dimensions (excl. table stand)	630 x 412 x 68 mm (WxHxD)
Dimensions (incl. table stand)	630 x 470 x 220 mm (WxHxD)

**Remote Control LC2000****Back LC2000**

marantz®

LCD - TV LC2000

**LC2000 LCD Television**

Marantz introduces its next step into the future of flat TVs, the LC2000 LCD television. Whether mounted on a wall or positioned on the unobtrusive table stand, this 20" (51cm) diagonal, less than 7cm deep display device opens up a whole new world of viewing possibilities. Don't waste valuable space with a bulky CRT based TV in your kitchen or bathroom, in the gallery of your boat or the bedroom of your motor home. Slim down with the new LC2000 flat panel LCD TV from Marantz.

A visionary experience

because music matters

marantz®

Designed with a built-in tuner and two-way stereo speakers, the Marantz LC2000, can be used as a complete standalone television or as a compact, bright computer monitor. By incorporating the latest advanced video processing, the LC2000 achieves a picture quality not yet seen in the home entertainment arena. The future proof TV video enhancement technologies have been used to set the reference in the market. Unlike many others, the LC2000 is not just a PC monitor with built in TV tuner, but a trend setting multifunctional display device with the renown Marantz quality.

LCD technology

Liquid Crystal (Display) Television works by trapping a liquid crystal solution between two sheets of polarized glass. When an electric current is passed through the liquid crystals, they align so light cannot pass through. Each crystal then either blocks or allows light to pass through, based on the broadcast information. For a clear crisp color that rivals traditional CRT displays, a thin film transistor, known as a TFT, is employed. LCD allows screens to be thinner and televisions lighter and more energy efficient than ever before with a longer lifetime. Its higher white luminance output and contrast makes it more suitable for brighter environments. The LC2000 opens up a whole new world of viewing possibilities, efficiently, hanging on the wall or placed anywhere in your living environment.

High quality De-interlacing

When using movies created for computers or film, it is easy to understand that the video consists of a number of individual frames that are played in sequence to give the impression of movement. When dealing with video for television, things are not quite as simple - television uses interlacing. If you intend to display interlaced video on a non-interlaced display (eg. flat panel displays like LCDs) artifacts can be seen. A non-interlaced display will show both fields simultaneously, rather than sequentially. When an object moves a long way between fields, it can be seen to "tear". This tearing is due to both fields showing the moving object at slightly different times. The deinterlacer, of the Marantz LC2000, detects film-originated content (like on most DVD's) by analyzing consecutive images and detecting a 3:2 or 2:2 pull-down pattern. Film-originated content is de-interlaced by merging the two fields from the original frame. This results in the exact reconstruction of the original film content without motion artifacts.



Interlaced



Deinterlaced

DLTI (Digital Luminance transient improvement) is a fully digital detail enhancement algorithm producing a sharp and accurate image. The non-linear sharpness improvement processor increases the slope of large luminance transients of vertical objects and enhances transients of details in natural scenes by contour to achieve best sharpness impression.

DCTI (Digital Color Transient improvement) improves the color transients of vertical objects and minimizes color smear at the edges of television images to assure clear, distinct colors.



without



with

Black Level Expansion

The Black Level Expansion enables the Marantz LC2000 to output richer and deeper black tones in every image. Dark areas are stretched to black, while bright areas remain unchanged. Advantageously, this black level processing is performed dynamically and only if it will be most noticeable to the viewer. It enhances the contrast and prevents the black signal from becoming gray if the brightness is increased. It allows for a darker picture without it going completely black. Which thereby allows richer picture tones.



without



with

10-bit Digital Gamma Processing

The LC2000 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.



without



with

2D Comb filter

Reduces discoloration in fine detailed area in a picture and provides good overall color purity for TV and CVBS video sources. Unlike the lower quality comb filters, the Comb Filter in Marantz LCD TV's separates signals for brightness and color with an advanced technology. As a result, eliminating edge crawls and rainbow effects while resolution is extended, clearly separating color boundaries and making images softer and cleaner.



without



with

Digital Noise Reduction

DNR's algorithms are designed to compare frames in the same scene and pick out unwanted noise such as grain, dirt and scratches. Once picked out, the system selectively replaces the unwanted parts of the image with parts from the previous and subsequent frames. The result is the elimination of video noise (snow) for a clean crisp image.

Based on the innovations for the future, the LC2000 delivers breathtaking accurate, dynamic visual quality for every high performance home entertainment system.

To get to the heart & soul of the Marantz LC2000, visit your authorized dealer today.

because music matters