



LHR01-A-100 (Argentina)

LHR01-U-100 (Uruguay)

LHR01-C-100 (Chile)

LHR01-T-100 (Trinidad)

LHR01-O-100 (Venezuela,
Colombia, Ecuador, Perú)

Satellite Digital Video Recorder for DIRECTV PanAmericana

Satellite

Video



Satellite Broadcast TV

The LHR01-100 DVR embeds a dual tuner with 2 DVB-S/DVB-S2 demodulators for simultaneous recording and watch capability on satellite channels.

HD Video

The set-top box supports HD broadcast services in up to 1080p/60 image quality video. The HD technology, or 1920x1080 pixels resolution, enables a vivid video experience with more detail that is particularly appreciated when viewing sports events on large screens. All content can be decoded at up to 60 frames per second (fps) for a smoother and more realistic reproduction of movement.

Digital Video Recording Service

Thanks to its two demodulators, the LHR01-100 is the ideal DVR for background recording while watching another channel.

Its 2.5-inch Hard Disk Drive (HDD) allows for flexibility in the introduction of the DVR feature.

IP Connected Devices

The LHR01-100 is equipped with the latest generation IEEE 802.11n wireless standard to support IP connected services such as Video on Demand (VoD), Over-The-Top (OTT) services, apps and catch-up TV.

With its optimized antenna configuration, this enhanced wireless solution enables seamless video streaming at even higher throughput and better coverage over the much less crowded 5 GHz band. It ensures compatibility as well with deployed wireless equipment at 2.4 GHz.

Enhanced User Experience

The LHR01-100 benefits from a powerful 3000 DMIPS processor with high bandwidth memory capability for evolution to advanced services.

Its high-performance 3D Graphics capability allows for a high-end user interface.

Features at a Glance

- Dual satellite tuner
- 2 DVB-S/DVB-S2 demodulators
- HD 1080p/60 video decode and display
- 2.5-inch hard drive for recording
- Built-in dual band 2x2 IEEE 802.11n Wi-Fi solution
- Powerful and future-proof CPU at 3000 DMIPS
- High performance 3D Graphics
- Customizable with multiple software and CA solutions

Technical Specifications

Satellite channel interface

■ DVB-S/S2 demodulators	2
■ Modulation	QPSK 8PSK
■ LNB power capability	Up to 360 mA or 450 mA combined
■ LNB Control capability	DiSEqC 1.x
■ LNB Control capability	DIRECTV SWM compliant
■ Symbol rates	1 - 45 Mbaud (DVB-S) 2 - 45 Mbaud (DVB-S2)
■ Digital input frequency range	950 - 2150 MHz

Video decoder

■ Video decoding formats	MPEG-4 H.264/AVC MPEG-2
■ Video decoding capability	Up to 1080p/60
■ Video output resolution	Up to 1080p/60
■ Aspect ratio	4:3, 16:9, Pan & Scan, letterbox
■ Video scaling	Variable

Audio decoder

■ Audio decoding formats	MPEG-1 Audio Layer I, II (mono, dual) MPEG-2 Audio Layer II backward Dolby Digital AAC
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OSD

■ Overlay Alpha blending with programmable stacking order of an MPEG video plane, video still plane, RGB graphics plane and background color	
■ Graphics	3D (Open GL ES 2.0)

Wireless

■ Dual band non-concurrent wireless interface	IEEE 802.11n 2.4 GHz & IEEE 802.11n 5 GHz
■ 2x2 MIMO antennas	

System resources

■ Processor	Single-core CPU (3000 DMIPS)
■ RAM	1 GB DDR3
■ Flash Memory	4 MB SNOR 128 MB SLC NAND flash
■ Hard Disk Drive	500 GB 2.5-inch SATA HDD

Software

■ Middleware solutions	Wyplay
■ CAS	Cisco Videoguard

Remote control

■ IR remote control	
Carrier frequencies	38 kHz modulation
Protocols	NEC and UEI LLP protocols (Other protocols available on request)

Front panel

■ 3 LEDs	
■ 1 button	

Side panel

■ Smart card slot	ISO-7816 compliant ISO/IEC 7810:2003, Mini-SIM size
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Back panel

■ Satellite input	2 F-type connectors, external threaded
■ HDMI output	1 HDMI type A receptacle
■ Analog outputs	3 RCA jacks (video, left, right)
■ USB	1 USB 2.0 master port
■ Ethernet	1 10/100 Base-T Ethernet LAN port
■ Power input	1 DC jack

General specifications

■ Power supply	12 VDC external PSU, 3A
■ PSU input voltage	100 - 240 VAC, 50 - 60 Hz (switched mode power supply)
■ Power consumption	< 36 W
■ Dimensions	305mm W x 190mm D x 40mm H
■ Operating temperature	0°C to +50°C



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SALES CONTACT

For more information please get in touch with your usual sales representative or use the following email: contactsales@technicolor.com

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device is restricted to indoor use.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.