



DSR505 Digital Satellite Receiver with Integrated HDTV Decoder

The Motorola DSR505 advanced HDTV receiver delivers superior programming and convenient, interactive features.

The Motorola DSR505 combines a full-featured digital satellite receiver with an advanced HDTV decoder to deliver dazzling high-definition programming and an easy-to-use interactive menu.

Television has never looked better than with High-Definition TV. The DSR505 includes multiple output connectors and formats, including a Digital Video Interface (DVI) and Component Video output for the highest quality output to capable televisions. The DSR505 also provides a full selection of Standard-Definition video and audio outputs to connect with any home theater component.

The DSR505's enhanced viewer menu system contains an interactive program guide (IPG) that provides extensive program information to help viewers plan for the week or weekend ahead. The easy-to-use viewer menu system is conveniently integrated in the remote control, or use the full-access front panel for quick set-up and installation.

BENEFITS INCLUDE:

- **Simple Navigation**

The DSR505 makes it easier to search channels, times, and programs.

- **Picture-over-Guide**

By displaying channel and program listings on the bottom of the screen, viewers can browse the guide while continuing to view programming.

- **Interests**

The DSR505 offers viewers the ability to surf through channels or program listings by type.

- **Enhanced Parental Controls**

Lock rated programming with a password, preventing the screening of inappropriate content to minors.

- **Upgradeable**

Future improvements can be downloaded via satellite.



CONNECTEDMOTO



MOTOROLA



DSR505 Digital Satellite Receiver



Technical Specifications

L-BAND INPUT

Frequency	950 to 2150 MHz
Impedance	75 Ω
Input level	-65 dBm to -25 dBm
Return loss	8 dB minimum
Demodulator	8PSK

S-VIDEO OUTPUT

Standard	NTSC
Return loss (Y and C)	20 dB minimum DC to 6 MHz
Luminance (Y)	$\pm 15\%$ 1.0 Vpp into 75 Ω
Chrominance (C)	$\pm 15\%$ 286 MVpp into 75 Ω
Connector	4-contact, mini-din, black

COMPONENT VIDEO OUTPUT

Standard	EIA-770.2 (480p), EIA-770.3 (720p, 1080i)
Impedance	75 Ω unbalanced
Y signal level	$\pm 10\%$ 1 Vpp (including sync)
PbPr signal level	$\pm 10\%$ 700 MVpp
Connector	3 RCA phono, female, gold-plated

DVI OUTPUT

Standard	DVI Spec rev 1.0
Termination resistance	$\pm 10\%$ 50 W
VH	$\pm 5\%$ 3.3 V (typical)
VL	$\pm 5\%$ 2.8 V (typical)
Connector	DVI-D

STEREO AUDIO

Modes	Digital baseband stereo Fixed volume output to TV only
Freq response	± 1.0 dB maximum, 20 Hz to 20 kHz

COMPOSITE VIDEO

Output level	$\pm 10\%$ 1.0 V pp into 75 Ω
Connector	Yellow phono, marked Video Out
Freq response	± 1.0 dB, 1 kHz to 4.2 MHz
Differential gain	5.0% pp maximum
Differential phase	5.0 deg. pp maximum
S/N	57 dB minimum (unified weighting 100 kHz HPF, 5 MHz LPF)

OPTICAL DIGITAL AUDIO

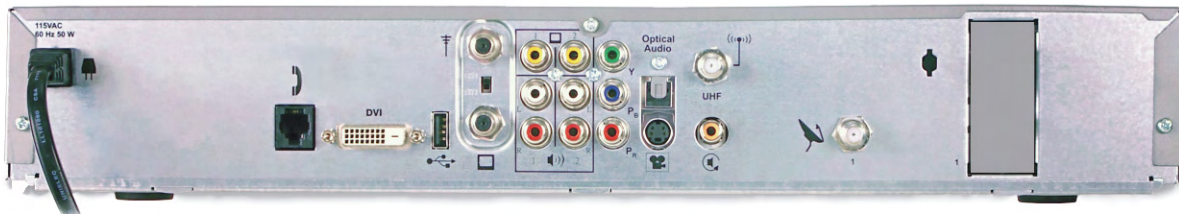
Power output	0.032 mW maximum
Wavelength	± 30 nm to 660 nm typ
Cable length	3 m maximum (not provided)

RF OUTPUT

Connector	F-type receptacle, marked Out to TV, NTSC and IEC
Impedance	75 Ω
Channel	Channel 3 or 4 (NTSC, North America)
Audio	Mono

PHYSICAL/ENVIRONMENTAL

Temperature	0 $^{\circ}$ C to 40 $^{\circ}$ C (32 $^{\circ}$ F to 104 $^{\circ}$ F) ambient
Humidity	95% relative
Dimensions	17" W x 3" H x 13" D
Weight	8.1 lbs unpackage
Power input	$\pm 10\%$ 115 VAC; 60 Hz nominal; 50 W maximum
UL	Listed



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