

The Motorola 4DTV® digital sidecar gives you access to up to 200 digital channels currently available to C-Band customers.

The Motorola 4DTV sidecar is a digital satellite receiver that you add to your current analog C-Band system allowing you to access all the digital channels available to C-Band customers. The way it works is simple: your analog receiver controls your dish allowing you to continue to receive channels the same way you do now. The Motorola 4DTV sidecar provides access to up to 200 digital channels currently available to C-Band while giving you the digital features that make your satellite system easier to use.

The benefit of upgrading your C-Band system with the Motorola 4DTV digital sidecar is that the 4DTV digital sidecar is designed to work with most C-Band analog receivers. Together your analog receiver and the Motorola 4DTV digital sidecar work together to give you access to almost everything C-Band has to offer at a reasonable price. The Motorola 4DTV digital sidecar has a manufacturer's suggested retail price of \$399.



- **DigiCipber® II Programming:** The Motorola 4DTV® digital sidecar give you access to up to 200 digital channels currently available to C-Band customers.
- **Free Digital Channels:** If you already have access to the analog version of a channel many programmers will give you the digital version for free.
- **Easy to Use:** The Motorola 4DTV digital satellite sidecar provides features that make channel surfing a breeze. Search for future programs up to 7 days in advance or customize your Motorola 4DTV sidecar with 4 favorite categories.
- **Access to High Definition:** The Motorola 4DTV sidecar comes with a port that will allow you to access high definition television with the HDD-200 decoder.
- **3-in-1 Remote:** Control your sidecar, VCR and TV with one remote. (You will still need your analog remote control to control your analog receiver)
- **Free Software Downloads:** Whenever an improvement is made to the program guide or new features have been added, you will be able to download them directly to your receiver for free.
- **Automatic Satellite Updates:** The program guide can automatically record any satellite moves or additions when it receives new programming information. This can be done automatically or at your request.
- **SCPC:** Single channel per carrier allows you greater access to the channels on C-Band.
- **Price:** \$399 MSRP

4DTV DIGITAL SIDECAR SPECIFICATIONS

L-BAND INPUT

Input Frequency.....	950 to 1550 MHz
Input Impedance.....	75 Ω
Input Level.....	(-)65 dBm to (-)25 dBm
Noise Figure.....	12 dB minimum
No. of Channels.....	999
H/V Input Isolation.....	40 dBm
Demodulator.....	QPSK demodulator

VIDEO

Output Level.....	1V p-p into 75 Ω
De-emphasis.....	525 line CCIR rec. 405-1

DIGICIPHER II DIGITAL VIDEO

Frequency Response.....	1.0 kHz to 4.2 MHz \pm 1.0 dB
Differential Gain.....	5.0% maximum
Differential Phase.....	5° typical maximum
Output Impedance.....	75 Ω
Clamping.....	Better than 30 dB
S/N.....	56 dB minimum weighed at 16 dB C/N (10.7 MHz peak dev.)

VHF OUTPUT

Impedance.....	75 Ω
Channel.....	Ch. 3 or 4
Level, Video.....	66 dBuV \pm 3 dB from VHF modulator
Audio.....	Mono

AUDIO

Modes.....	Digital stereo, NTSC, subcarrier, VideoCipher II+ digital
Volume Control.....	Volume control for TV only. Note: Fixed volume output has no volume control

DIGICIPHER II DIGITAL AUDIO

Frequency Response.....	1.5 dB, p-p maximum, 20 Hz to 20kHz
Harmonic Distortion.....	0.4% maximum at 1 kHz
S/N.....	84 dB minimum

REMOTE CONTROL

Transmitter.....	Infrared/UHF
Batteries.....	2 x AA type
Range.....	Up to a maximum of 200 ft.
Angle.....	\pm 22°

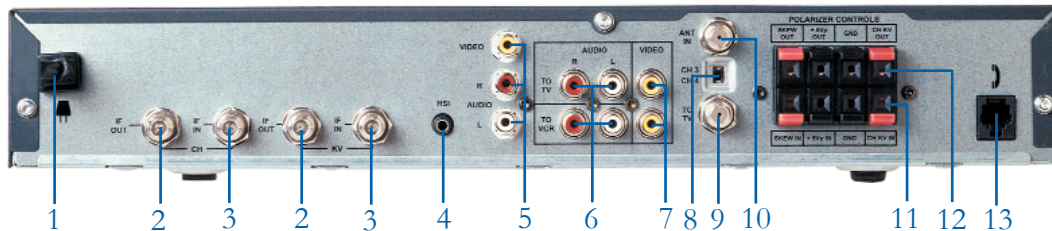
PHYSICAL/ENVIRONMENTAL

Temperature.....	0° - 40°C (ambient)
Humidity.....	95% relative
Dimensions.....	15"(W) x 2.5"(H) x 13"(D)
Weight.....	6.5 lbs
Power Input.....	115V \pm 10% AC; 60 Hz nominal; 50 W maximum
UL.....	Listed
CSA.....	Certified

OTHER

Limited Warranty.....	One year (ask your local dealer for specific information)
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INPUTS/OUTPUTS



- 1..... AC Power, AC 120V 60Hz 50W
- 2..... Satellite Output to Analog Receiver
- 3..... Satellite In
- 4..... HSI Data Output
- 5..... Audio/Video Input
- 6..... Audio Out (Right and Left)

- 7..... Video Out
- 8..... Ch3 Ch4 Remodulator
- 9..... TV Output
- 10..... Antenna In
- 11..... Polarizer Control (Skew in, +5VP in, Gnd, Ch/KV in)

- 12..... Polarizer Control (Skew out, +5VP out, Ch/KV out, +5V, Gnd)
- 13..... Telco

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Features and functions subject to change without notice.

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