



SD Technical Specifications

Satellite: SES-1 at 101° West

Transponder: 18C

Downlink Polarization: Horizontal

Downlink L-Band Frequency: 1090 MHz

VCT #: 983

Modulation: DigiCipher II DVB-S, QPSK

Symbol Rate: 29.27 Mbps

FEC: 3/4 Combined

SD Encoding: MPEG-2

Virtual Channel: 206

Audio:

Primary Audio: L/R Stereo (Channel 1 & 2)

Secondary Audio: Left (Ch.3) = Mono

Program

Acceptable Receiver Models

Motorola DSR-4410 – MPEG 2 output

- ASI Only, No DHEI

Motorola DSR-4402X – MPEG 2 output

- ASI Only, No DHEI

Motorola DSR-4440 – ASI & GigE, No DHEI

Motorola DSR 4460 – MPEG 2/4, ASI, GigE, SDI, HD SDI, No DHEI

Motorola DSR 4500X – MPEG 2 output

- Note: ASI okay but recommend using DHEI output only in “PID aliasing” mode

Motorola DSR 4520X – ASI & SDI, No DHEI

Motorola DSR 4530 – MPEG 2 output

- ASI & GigE, No DHEI

Motorola DSR 4550 – MPEG 2 output

- ASI & GigE, No DHEI

Multi-Channel Models:

Motorola DSR-4400MD – Note: Only Pass-2 and newer models will work (DHEI and ASI “in” and “out”)

Motorola DSR-4410MD – MPEG 4 output, Multi-Service Decryptor to ASI & Gig-E output (up to 64 services)

ALL OTHER MODELS (DSR 4000, DSR 4400, DSR 4400X, DSR 4500) WILL NOT LOCK WITH 29.27 (29.3) Msps @ 3/4 FEC COMBINED MODE. (40.46 Mbps)

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