

Receiver

Model D9804 Multiple Transport Receiver

Description

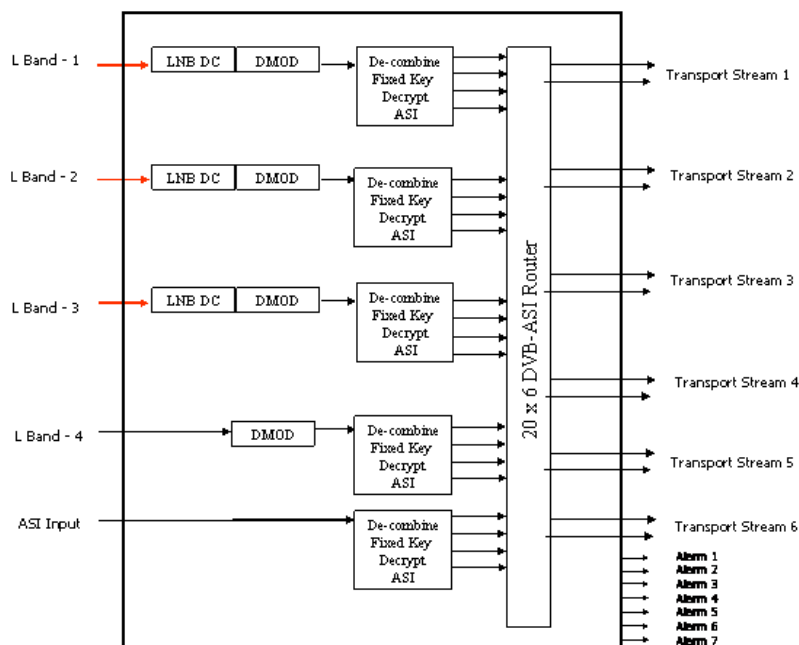
The Model D9804 Multiple Transport Receiver is being designed to provide a highly efficient solution for satellite-based distribution of DVB-T, DVB-H or DVB-C signals to transmit sites. It is compatible with both Multi-Frequency Network (MFN) and Single Frequency Network (SFN) type broadcasts. The D9804 receiver receives up to four satellite signals and de-combines up to six DVB-ASI transport signals from any of the incoming satellite signals. It outputs the content on a dual (mirrored) DVB-ASI transport for further distribution into digital networks serving either digital terrestrial or other types of consumer re-distribution networks.



Key Features

- Four L-Band inputs with active demodulators
- DVB-S QPSK demodulation
- DVB-S2 QPSK/8PSK demodulation
- DVB-ASI input
- Fixed key BISS descrambling
- Six pairs of DVB-ASI outputs
- Seven contact closures triggered by programmable alarm conditions
- Dual redundant power supplies
- Field upgradeable software and security
- Front panel LCD for control & monitoring
- Tuning preset configurations

Functional Block Diagram



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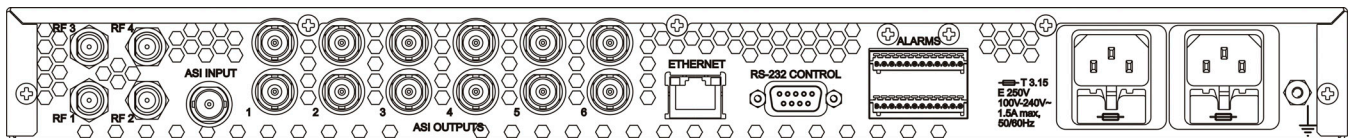
Anticipated Software Features

- In-Band Control Computer (IBCC) system support for control of (e.g.) tuning parameters, ASI output selection, and addressing and grouping of individual or groups of D9804 receivers

Specifications

Features	Description	
System	MPEG-2/DVB Compatible EN 300 421, EN 300 468	De-modulation: DVB-S QPSK, DVB-S2 QPSK & 8PSK
Tuner	Number of RF Inputs: 4 (any and all could be active at a time) Input Level: -25 dBm to -65 dBm per carrier Frequency Range: 950 MHz to 2150 MHz	Symbol Rate Range: DVB-S: 1.0 to 45 MSymbols/s DVB-S2: 1.0 to 31 MSymbols/s Carrier Capture Range: ≥ ±3.0 MHz (1-10 Msym) ≥ ±5.0 MHz (10-30 Msym) Satellites: C-band and Ku-band Input Impedance: 75 Ω
Conditional Access	BISS Mode 1	
DVB-ASI Inputs/Outputs	MPEG-2 Transport Input EN50083-9, DVB-ASI coaxial, 188/204 byte packets	MPEG-2 Transport Output EN 50083-9, DVB-ASI coaxial, 188 byte packets
Ethernet Interface for Control and Monitoring	RJ-45, 10/100BaseT	
Environmental/Physical	Operating Temperature: 0°C to 50°C (32°F to 122°F) Storage Temperature: -20°C to 70°C (-4°F to 158°F)	Physical Dimensions: 1.72 in. H x 17.25 in. W x 15.75 in. D (4.37 cm H x 43.82 cm W x 40.0 cm D) 1RU high, 19 in. EIA rack mountable Weight: 10 lbs (4.5 kg) approx.
Power	Dual Power Supplies: Voltage Range: 100 V to 240 V AC Line Frequency: 50/60 Hz	Power Consumption: 107 W max. LNB Power on RF#1 to RF#3: +13 V/+18 V @ 350 mA max. Note: No power is supplied to RF #4

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Ordering Information

Description	Part Number
D9804 MTR with no power cord	402102300000000 ¹
D9804 MTR with NA power cord	402102300000001 ¹
D9804 MTR with EU power cord	402102300000005 ¹

1) The last two digits of part number denote the power cord. When ordering, refer to the table below for your country-specific power cord.

Country-Specific Power Cords

Description	Part Number
No power cord	00
North American (NA)	01
Japan	02
China	03
Australia	04
European (EU)	05
Russia	06
Brazil	07
Chile	08
India	09
South Africa	10
Israel	11
Mexico	12
Argentina	13
UK	14
Ireland	15
Singapore	16
Taiwan	17
Switzerland	18
Korea	19



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