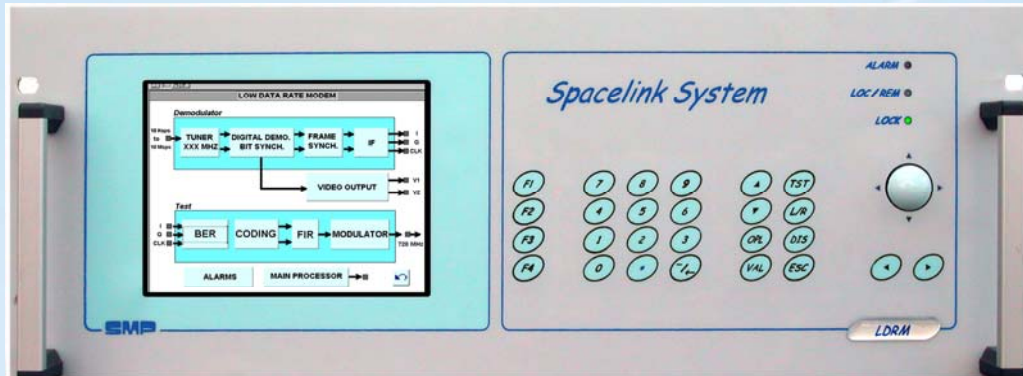


SPACELINK SYSTEM

SINGLE CHANNEL TELEMETRY RECEIVER – Model : LDRM1



The SPACELINK SYSTEM is directly derived from our multi-modes experience. With new technologies and new digital boards, SMP shows its own capability to develop a complete solution for tracking, demodulation, synchronization & decoding as well as modulation & coding in single equipment.

The specifications of SMP **Low Data Rate Modem (L.D.R.M.)** can be used in the Command & Telemetry System.

The main frame is a Telemetry Receiver including a RF tuner, Multi-Mode Demodulator and as option Bit Synchronizer, Frame Synchronizer, Decoding and Simulator and Spectrum Analyzer.

LDRM1 can accept up to 3 switchable tuners with various bandwidths.

SPACELINK SYSTEM is existing under 3 models :

- LDRM1 (Mono-channel Receiver + Pre-detection Combiner as option).
- LDRM2 (Dual Channel Receiver + Pre/Post Detection Combiner)
- LDRM.TTC (TT&C Processor).

FEATURES

- Fully digital design from IF 70 MHz
- Input frequency from 70 MHz up to Ku band
- Programmable digital FIR filters eliminate costly IF filters upgrading
- Multi-demodulations : AM / PM / FM (option BPSK, QPSK, O/QPSK, PSK subcarriers)
- Programmable Bit Synchronizer up to 20 Mbps with Soft decision (3 bits)
- Spectrum Analyzer
- Simulator (Doppler, Fading & Noise)
- Pre-Detection Combiner with IF input at 70 MHz (option)
- Up to three tuners in the same rack