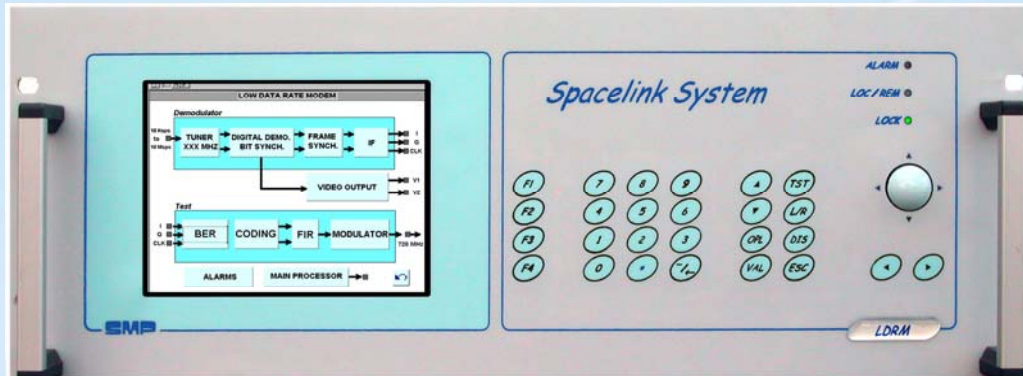


SPACELINK SYSTEM

DUAL CHANNEL TELEMETRY RECEIVER – Model : LDRM2



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.

SPACELINK SYSTEM is existing under 3 models :

- LDRM1 (Mono Channel + Pre Detection Combiner as option) and
- 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/SQPSK, 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
- Up 3 multi-mode demodulators (1 per channel + 1 for combiner)