

## SPiRiT CVSD Vocoder

SPiRiT CVSD (Continuously Variable Slope Delta Modulation) codec is designed for use in military communication systems.

The codec supports different bitrates in the range of 16...32 kbps (each bitrate demands a corresponding sampling rate). It is based on the delta modulation algorithm and demonstrates good performance in noisy environment.

### Features

- Sample-by-sample coding
- 16...32 kbps bitrates
- 16...32 kHz sampling rates
- Delta Modulation algorithm
- Easy to use in mixing schemes
- Robust to bit- and synchronization-losses
- Good performance in noisy environment
- Simple API

### Specifications

SPiRiT provides porting services to multiple DSP (TI, Motorola, Analog Devices, etc.), RISC and general-purpose processors. The product is supplied with test environment and integration example code.

### Benefits

- Noise immunity
- Robust to bit- and synchronization-losses
- Easily portable
- Highly optimized

### Key Features

- 16...32 kbps bitrates
- Delta Modulation algo
- Sample-by-sample coding

### Applications

- Military wireless communication systems

### Availability

- PC Now
- TI C54xx Call
- TI C55xx Now
- TI C64xx Call

PLATFORM	TI C55xx		
	Encoder	Decoder	Encoder+Decoder
Peak MIPS	5.64	4.88	10.52
Dynamic Memory, Bytes	-	-	68

### CONTACTS

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