



# 6504B

## IRIG B Distribution Module

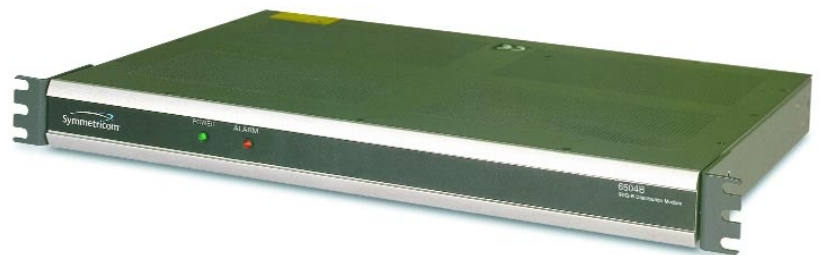
### KEY FEATURES

- Superior IRIG B Signal Distribution
- High Channel Isolation
- Ten Channel Output Distribution
- Daisy Chain for More Than 100 Outputs

The Symmetricom 6504B Distribution Module is a ten channel, IRIG B distribution amplifier packaged in a 1U rack mount chassis. It is comprised of ten low phase noise RF amplifiers that maintain high channel isolation (>100dB). Up to ten units can be daisy chained together to give up to 100 outputs or each output of one unit can be used as a source for other 6504B units to give almost infinite expansion capability with virtually no signal degradation.

The 6504B standard configuration accepts an IRIG B time code signal and provides 10 buffered IRIG B outputs. Each output and input has an alarm indicator that warns of either a loss of time code or a time code of insufficient amplitude.

The 6504B is also available in custom configurations. Please contact Symmetricom with any specific requirements.



6504B IRIG B Distribution Module

## 6504B Specifications

### ELECTRICAL SPECIFICATIONS

- Time code outputs (ten)
  - Code format: IRIG B
  - Modulation frequency: 1kHz
  - Modulation ratio: 3:1
  - Amplitude:  $\leq 3$  V P-P
- Time code input
  - Code format: IRIG B
  - Modulation frequency: 1kHz
  - Modulation ratio: 3:1
  - Amplitude:  $\leq 3$  V P-P
- Controls & indicators
  - Power: Green LED, power is connected
  - Alarm: Red LED, signal output failure
- Alarm Output
  - Summary alarm indicates failure of any output signal or power loss
  - Each output and main: Red LED
  - Non-alarm condition: Relay energized (fail safe)
  - C Form contacts
  - Alarm output disable: Panel switch
  - Connector: 9 pin D-male

### ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

- Temperature (operating): 0°C to 55°C
- Relative humidity: 0 to 95%, non-condensing
- Power requirements
  - AC input ( $\pm 15\%$ ): 120 or 230 VAC, <10W
  - DC input (option): 22 to 70 VDC, 10W
- Dimensions
  - Height: 1U (~1.75 inches) (4.44 cm)
  - Width: 19" (48.26 cm)
  - Depth: 12" (30.48 cm)
- Weight: <10 lbs. (4.5 Kg)



Rear View



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