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BLINK Command and Telemetry Handbook

For the COSMOS Demo Project



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Commands

BLINK DELAY

Command to change how fast to blink the LED.

Item Name	Description	Min	Max	Default	Bit Offset	Bit Size	Data Type	Units
DELAY	Delay (in ms) between LED on/off transitions.	0	255	100	0	8	UINT	

Telemetry Packets

BLINK SOH

State of health of the blink application.

Item Name	Description	Bit Offset	Bit Size	Data Type	Units Format
RECEIVED_TIMESECONDS	COSMOS Received Time (UTC, Floating point, Unix epoch) Read Conversion: ReceivedTimeSecondsConversion	0	0	DERIVED	%0.6f
RECEIVED_TIMEFORMATTED	COSMOS Received Time (Local time zone, Formatted string) Read Conversion: ReceivedTimeFormattedConversion	0	0	DERIVED	
RECEIVED_COUNT	COSMOS packet received count Read Conversion: ReceivedCountConversion	0	0	DERIVED	
LENGTH	Packet size so COSMOS can read the serial port.	0	8	UINT	
PKTID	Packet ID so COSMOS can identify the packet and store it. Id Value: 1	8	8	UINT	
DELAY	Current delay value (ms) between LED blinks. Limits [DEFAULT]: RL/0.0 YL/50.0 YH/150.0 RH/200.0 Limits Response: DelayLimitsResponse	16	8	UINT	
CMDACCEPT	The number of commands that were actually accepted.	24	8	UINT	
CMDRCVD	The number of commands received.	32	8	UINT	