

Current SeaChest Utilities blockpoint release: 19-Feb-2020

Current SeaCLibs libraries release: 1\_21\_30 (19-Feb-2020)

This background color indicates commands with some amount of data erasure.



SEAGATE

Interim release dates:

		Current versions:													
Features	Options	Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	Constraints	
--abortDST		x											x	Seagate only	
--abortIDD													x		
--activateFW		x			x										Seagate only
--ataSecFreeze													x		SATA only
--ataSATsecurityProtocol	enable   disable			x								x		SATA only	
--ataSecPassword	"ASCII password"   SeaChest   empty			x								x		SATA only	
--ataSecPassType	user   master			x								x		SATA only	
--ataSecPWMod	byteswapped   zeropad   spacepad   fpad   leftAlign   rightAlign   uppercase   lowercase   invertcase			x								x		SATA only	
--ataSecureErase	normal   enhanced			x								x		SATA only Seagate only	
--ataSecurityInfo												x		SATA only	
--bufferTest							x							NVMe only	
--butterflyTest							x								
--calculateFileHash	fwfilename				x										SAS only
--captive													x	Windows only	
--checkPowerMode		x								x	x				
--clearPciErr										x					
--confirm	I-understand...	x		x			x		x			x	x	SAS only	
--conveyanceDST													x		SAS only
--csmInfo								x						SAS only	
--defectFormat	shortBlock   0 xbfi   1 xchs   2 longBlock   3 bfi   4 chs   5							x					x		SAS only
--deviceStatistics								x						SAS only	
--diameterTest	O   M   I						x								SAS only
--diameterTestRange	LBA count						x							SAS only	
--disableAPM											x				SAS only
--disableATASecPW												x		SAS only	
--disableCertification						x							x		SAS only
--disableDataLocking													x	SAS only	
--disablePrimaryList						x									SAS only
--discardGList						x								SAS only	
--disableImmediateResponse						x									SAS only
--displayLBA		LBA   maxLBA	x		x		x						x		
--downloadFW	fwfilename	x			x				x	x				Seagate only	

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Features	Options	v2.9.1	v1.18.1	v2.1.1	v2.8.1	v1.5.1	v1.9.0	v1.6.0	v1.3.0	v1.1.0	v2.0.0	v2.1.0		v1.13.1
		Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	
--downloadMode	immediate segmented deferred activate	x			x					x				Seagate only
--dstAndClean													x	
--EPCfeature	enable   disable										x			
--errorLimit	number   none						x						x	
--extSmartLog										x				NVMe only
--fastFormat	mode			x		x								SAS only Seagate only
--firmwareSlot	slot#				x					x				
--forceFWDLPassthrough					x									Seagate only
--foreground													x	
--formatMaxLBA	new Max LBA					x								SAS only Seagate only
--formatUnit	current new sector size			x		x								SAS only Seagate only
--fwBufferID	slot#				x					x				
--fwdlConfig	config filename				x									Seagate only
--fwdlDryRun					x									
--fwdlInfo					x									
--fwdlPort	lock   unlock											x		Seagate only
--fwdlSegSize	number				x					x				Seagate only
--genericMode	read write (Seagate only) verify						x							Seagate only on write option
--getFeatures	help   list   #									x				NVMe only
--getNvmeLogPage	error   smart   fwSlots   suppCmds   selfTest   #									x				NVMe only
--getTelemetry	host   ctrl									x				NVMe only
--hideLBACounter		x		x			x							
--hours	hours	x		x			x							
--idd	short   long												x	SATA only Seagate only
--idle	enable   disable   default   timerValueMilliseconds										x			SAS only
--idle_a	enable   disable   default   timerValueMilliseconds										x			
--idle_b	enable   disable   default   timerValueMilliseconds										x			
--idle_c	enable   disable   default   timerValueMilliseconds										x			
--ieee1667Port	lock   unlock											x		Seagate only
--longDST													x	
--longGeneric							x							

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--lowCurrentSpinup	low   ultra   disable		x											SATA only Seagate only
--minutes	minutes	x		x			x							
--newFW	fw rev				x									
--noTimeLimit		x							x				x	
--nvCache	info   enable   disable		x											SAS only
--nvmFmtMetadataSet	xlba   separate					x				x				NVMe only
--nvmFmtMS	# of bytes					x				x				NVMe only
--nvmFmtNSID	all   current					x				x				NVMe only
--nvmFmtPI	0   1   2   3					x				x				NVMe only
--nvmFmtPIL	beginning   end					x				x				NVMe only
--nvmFmtSecErase	none   user   crypto					x				x				NVMe only
--nvmFormat	current   format #   sector size					x				x				NVMe only
--outputMode	raw   binary									x				NVMe only
--overwrite	starting LBA   maxLBA	x		x										Seagate only
--overwriteRange	LBA count	x		x										Seagate only
--pattern	repeat   random   increment   file			x		x								Seagate only
--pciStats										x				NVMe only
--performQuickestErase				x										Seagate only
--phySpeed	0   1   2   3   4   5	x	x											Seagate only
--pin11	on   off   default	x	x											SAS only
--poll		x		x					x	x			x	
--powerBalanceFeature	info   enable   disable										x			SATA only Seagate only
--powerMeasurementMode	all   5   12										x			Seagate only
--progress	dst, sanitize, format, idd	x		x					x	x			x	
--protectionIntervalExponent	exponent value					x								SAS only
--protectionType	0   1   2   3					x								SAS only
--provision	newMaxLBA maxLBA	x	x											Seagate only
--psid	DrivePSID			x								x		Seagate only
--puisFeature	enable   disable		x											SATA only Seagate only
--randomTest							x							
--readLookAhead	info   enable   disable	x	x											SAS only
--readyLED	info   on   off   default	x	x											Seagate only
--removePhysicalElement	element #			x										Seagate only
--repairAtEnd							x							Seagate only
--repairOnFly							x							Seagate only
--requestPowerMeasurement	seconds to perform measurement										x			Seagate only
--restoreMaxLBA		x	x											
--revert				x								x		Seagate only

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		Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	
--revertSP				x								x		Seagate only
--sanitize	info													Seagate only
	blockerase													
	cryptoerase			x										
	overwrite													
	freezelock													
	antifreezelock													
--sasPhy	identifier value	x	x								x			SAS only
--sasPhyPartial	info   enable   disable										x			SAS only
--sasPhySlumber	info   enable   disable										x			SAS only
--sataDAPSfeature	info   enable   disable										x			SATA only
--sataDIPMfeature	info   enable   disable										x			SATA only
--scsiLPRreset	cumulative   threshold   defCumulative   defThreshold   all		x											SAS only Seagate only
--scsiLPRresetPage	page#   page-subpage#		x											SAS only Seagate only
--scsiMPReset	page#   page-subpage#		x											SAS only Seagate only
--scsiMPRestore	page#   page-subpage#		x											SAS only Seagate only
--scsiMPSave	page#   page-subpage#		x											SAS only Seagate only
--sctReadTimer	info   value		x											SATA only Seagate only
--sctWriteCache	info   enable   disable   default		x											SATA only Seagate only
--sctWriteTimer	info   enable   disable   default		x											SATA only Seagate only
--sctWriteCacheReordering	info   value		x											SATA only Seagate only
--seagateClean													x	Seagate only
--seconds	seconds	x		x			x							SAS only SATA only
--securityInitialize						x								
--setAPMLLevel											x			
--setMaxLBA	newMaxLBA maxLBA	x	x											SAS only Seagate only
--setMRIE	default   0 - 6												x	
--setPowerConsumption	default, highest, intermediate, lowest, watt value										x			SAS only Seagate only
--setSectorSize	new sector size					x			x					Seagate only
--setSCSIMP	mp   file		x											SAS only Seagate only
--shortDST		x							x				x	

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--shortGeneric							x							SATA only	
--showAPMLLevel											x				
--showDSTLog													x		
--showEPCSettings											x			SAS only	
--showEraseSupport				x											
--showFormatStatusLog						x									
--showLockedRegions												x		SAS only	
--showMPOutputMode	classic   buffer		x												
--showPhysicalElementStatus				x											
--showPowerConsumption											x			SAS only	
--showPowerTelemetry											x			Seagate only	
--showSCSIDefects	p   g   pg							x					x	SAS only	
--showSCSIMP	page#   page-subpage#		x											SAS only	
--showSCSIMPControl	current   default   saved   changeable   all		x											SAS only	
--showSMARTErrorLog	summary   comprehensive												x	SATA only	
--showSupportedFormats						x			x	x				SAS only	
--showSupportedProtectionTypes						x									
--sid	yourTCGpassword			x								x			
--smartAttributeAutosave	enable   disable												x	SATA only	
--smartAttributes	raw   analyzed	x						x					x	Seagate only	
--smartAutoOffline	enable   disable												x	SATA only	
--smartCheck		x											x	Seagate only	
--smartErrorLogFormat	raw   detailed												x	SATA only	
--smartFeature	enable   disable												x	SATA only	
--smartInfo													x	Seagate only	
--spinDown		x									x			SATA only	
--sscFeature	info   enable   disable   default		x											Seagate only	
--standby	enable   disable   default   timerValueMilliseconds										x			SAS only	
--standby_y	enable   disable   default   timerValueMilliseconds										x				
--standby_z	enable   disable   default   timerValueMilliseconds										x				
--stopOnError							x								
--stopOnListError						x									
--swtchFW					x										NVMe only
--tcgInfo												x			
--telemetryDataArea	1   2   3									x					NVMe only
--tempStats										x					NVMe only

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Features	Options	Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	
--transitionPower	active   idle   idleUnload   standby   idle_a   idle_b   idle_c   standby_y   standby_z   sleep										x			NVMe only SATA and NVMe Seagate only SATA and NVMe Seagate only  Seagate only SATA only SAS only Seagate only SAS only Seagate only
--transitionPowerState	new power state									x	x			
--trim	starting LBA   maxLBA	x		x										
--trimRange	LBA count	x		x										
--twoMinuteGeneric							x							
--udsPort	lock   unlock											x		
--unlockATASec												x		
--unmap	starting LBA   maxLBA	x		x										
--unmapRange	LBA count	x		x										
--userGenericRange	LBA count						x							
--userGenericStart	starting LBA   maxLBA						x							
--volatile			x											
--writeCache	info   enable   disable	x	x											
--writeSame	starting LBA   maxLBA			x										
--writeSameRange	LBA count			x										
Features Common to all tools		Options												USB Only USB Only USB Only Windows only Windows only Windows only  SATA only SATA only SATA only
--childModelMatch		x	x	x	x	x	x	x	x		x	x	x	
--childNewFW		x	x	x	x	x	x	x			x	x	x	
--childOnlyFW		x	x	x	x	x	x	x			x	x	x	
--csmIgnorePort		x	x	x	x	x	x	x			x	x	x	
--csmUsePort		x	x	x	x	x	x	x			x	x	x	
--csmVerbose		x	x	x	x	x	x	x			x	x	x	
-d, --device	deviceHandle	x	x	x	x	x	x	x	x	x	x	x	x	
-i, --deviceInfo		x	x	x	x	x	x	x	x	x	x	x	x	
--echoCommandLine		x	x	x	x	x	x	x			x	x	x	
--enableLegacyUSBPassthrough		x	x	x	x	x	x	x			x	x	x	
--forceATA		x	x	x	x	x	x	x			x	x	x	
--forceATADMA		x	x	x	x	x	x	x			x	x	x	
--forceATAPIO		x	x	x	x	x	x	x			x	x	x	
--forceATAUDMA		x	x	x	x	x	x	x			x	x	x	
--forceSCSI		x	x	x	x	x	x	x			x	x	x	
-h, --help		x	x	x	x	x	x	x	x	x	x	x	x	
--license		x	x	x	x	x	x	x	x	x	x	x	x	
--modelMatch	model Number	x	x	x	x	x	x	x			x	x	x	
--onlyFW	fw rev	x	x	x	x	x	x	x			x	x	x	
--onlySeagate		x	x	x	x	x	x	x	x		x	x	x	

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Features	Options	Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	Constraints
-q, --quiet		x	x	x	x	x	x	x		x	x	x	x	SATA only
--sat12byte		x	x	x	x	x	x	x			x	x	x	
--SATInfo		x	x	x	x	x	x	x			x	x	x	
-s, --scan, -S, --Scan		x	x	x	x	x	x	x	x	x	x	x	x	
-F, --scanFlags	sd, sgtsd, ata, usb, scsi, interfaceATA, interfaceUSB, interfaceSCSI, ignoreCSMI (Win only), allowDuplicates (Win only)	x	x	x	x	x	x	x		x	x	x	x	USB Only
--testUnitReady		x	x	x	x	x	x	x		x	x	x	x	
--usbChildInfo		x	x	x	x	x	x	x	x		x	x	x	
-v, --verbose	0   1   2   3   4	x	x	x	x	x	x	x		x	x	x	x	
-V, --version		x	x	x	x	x	x	x	x	x	x	x	x	