Current SeaChest Utilities blockpoint release: 25-Feb-2021

Current SeaCLibs libraries release: 25-Feb-2021

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

Interim release dates



v3.0.0 v2.0.0 ٧3.0.0 ٧3.0.0 v2.0.0 v2.0.0 v2.0.0 ٧3.0.0 v3.0.0 v2.0.0 **Current versions: PowerControl** Generic Fimrwar **SMART** Config **Features Options** Info **Constraints** -abortDST Х Х -abortIDD Х Seagate only Seagate only -activateFW Х Х -ataSecFreeze Х SATA only -ataSATsecurityProtocol enable | disable х SATA only 'ASCII password" | SATA only --ataSecPassword х Х SeaChest | empty --ataSecPassType user | master SATA only Х Х byteswapped | zeropad | spacepad | --ataSecPWMod fpad | leftAlign | SATA only х х rightAlign | uppercase | lowercase | invertcase SATA only -ataSecureErase normal | enhanced х Seagate only -ataSecurityInfo SATA only Х -bufferTest Х --butterflyTest Х --calculateFileHash fwfilename Х -captive Х -checkPowerMode Х Х Х --clearPciErr х NVMe only -confirm I-understand... Х х Х х Х Х --conveyanceDST Х --csmiInfo Windows only Х shortBlock | 0 xbfi | 1 xchs | 2 --defectFormat х SAS only Х longBlock | 3 bfi | 4 chs | 5 -deviceStatistics Х -diameterTest 0 | M | I Х -diameterTestRange LBA count Х -disableAPM SATA only Х -disableATASecPW Х SATA only -disableCertification Х SAS only -disableDataLocking Х Seagate only -disablePrimaryList х SAS only -discardGList SAS only Х -disableImmediateResponse Х SAS only -displayLBA LBA | maxLBA Х Х Х Х -downloadFW fwfilename Х Х Seagate only Х Х

	: a di a b a		1		l		1	1						
	immediate													
downloadMode	segmented	х			х					х				Seagate only
	deferred													
1.4 10	activate	<u> </u>						-						
dstAndClean		_											Х	
EPCfeature	enable disable	_									Х			
errorLimit	number none	_					Х						Х	
extSmartLog		_								Х				NVMe only
fastFormat	mode			х		х								SAS only Seagate only
firmwareSlot	slot#				Х					Х				
forceFWDLPassthrough					Х									Seagate only
foreground													х	
formatMaxLBA	new Max LBA					х								SAS only Seagate only
farmentlinit	current													SAS only
formatUnit	new sector size			Х		Х								Seagate only
fwBufferID	slot#				Х					Х				
fwdlConfig	config filename				Х									Seagate only
fwdlDryRun					Х									
fwdlInfo					Х									
fwdlPort	lock unlock											Х		Seagate only
fwdlSegSize	number				Х					Х				Seagate only
	read													
genericMode	write (Seagate only) verify						х							Seagate only on write option
getFeatures	help list #									х				NVMe only
	error smart fwSlots													Trivic omy
getNvmeLogPage	suppCmds selfTest #	_								Х				NVMe only
getTelemetry	host ctrl	_								Х				NVMe only
hideLBACounter		Х		Х			Х							
hours	hours	Х		Х			Х							
idd	short long	_											Х	Seagate only
idle	enable disable default timerValueMilliseconds										х			SAS only
idle_a	enable disable default timerValueMilliseconds										х			
idle_b	enable disable default timerValueMilliseconds										х			
idle_c	enable disable default timerValueMilliseconds										х			
ieee1667Port	lock unlock											Х		Seagate only
longDST													Х	
longGeneric							х							
lowCurrentSpinup	low ultra disable		х											SATA only Seagate only
minutes	minutes	х		Х			х							, j
newFW	fw rev				х									
noTimeLimit		х							Х				Х	
nvCache	info enable disable		Х											SAS only
nvmFmtMetadataSet	xlba separate		<u> </u>			Х				х				NVMe only
	1 p					+		 		_	 	-		
nvmFmtMS	# of bytes	1				Х				Х				NVMe only
nvmFmtMS nvmFmtNSID	# of bytes all current					X				X				NVMe only NVMe only

nvmFmtPIL	beginning end				Х			х			
nvmFmtSecErase	none user crypto				X			X			<u> </u>
	current format # sector									l	
nvmFormat	size				Х			Х			
outputMode	raw binary							Х		Ī	
overwrite	starting LBA maxLBA	х		Х							
overwriteRange	LBA count	х		Х							
pattern	repeat random increment file			х	х						
-pciStats	more of more particular to the control of the contr							Х		l	
performQuickestErase				х							
phySpeed	0 1 2 3 4 5	х	х								
pin11	on off default	х	х								
poll	·	х		Х			Х	Х			
powerBalanceFeature	info enable disable								х		
-powerMeasurementMode	all 5 12								х		
powerivieasurementiviode progress	dst, sanitize, format, idd	×		х			х	Х			l
progress protectionIntervalExponent	exponent value			^	х		^				ł
protectionType	0 1 2 3				X						ł
protectionType	newMaxLBA				^						H
provision	maxLBA	х	х								
psid	DrivePSID			х						х	l
puisFeature	enable disable		x								Ī
·	elianie disable		×								ļ
randomTest						Х					
-readLookAhead	info enable disable	х	Х								
-readyLED	info on off default	х	Х								
repopulateElements					Χ						
-restorePhysicalElements					Χ						
removePhysicalElement	element #			Х	Χ						
repairAtEnd			<u> </u>			Х					
repairOnFly			<u> </u>			Х					L
-requestPowerMeasurement	seconds to perform measurement								х		
restoreMaxLBA		х	х								
revert				Х						х	
revertSP				Х						Х	
	info										
	blockerase										
sanitize	cryptoerase			х							
Summe	overwrite			^							
	freezelock										
	antifreezelock										
sasPhy	identifier value	х	Х						Х		
sasPhyPartial	info enable disable								х		
sasPhySlumber	info enable disable								Х		
sataDAPSfeature	info enable disable								х		
sataDIPMfeature	info enable disable								Х		
	cumulative threshold										
scsiLPReset	defCumulative		х								
	defThreshold all										
scsiLPResetPage	page# page-subpage#		х								
	1		1								
scsiMPReset	page# page-subpage#		х								
scsiMPReset	page# page-subpage#		х								

					,								1
-scsiMPSave	page# page-subpage#		х										
sctReadTimer	info value		х										
sctWriteCache	info enable disable default		х										
ctWriteTimer	info enable disable default		х										
ctWriteCacheReordering	info value		х										
eagateClean		-											х
econds	seconds	х		Х			Х						
ecurityInitialize						Х							
etAPMLevel											Х		
etMaxLBA	newMaxLBA maxLBA	x	х										
etMRIE	default 0 - 6												х
etPowerConsumption	default, highest, intermediate, lowest, watt value										х		
etSectorSize	new sector size					Х			Х				
tSCSIMP	mp file		х										
nortDST		X							Х				х
ortGeneric							Х						
pwAPMLevel											Х		
pwDSTLog													х
wEPCSettings											Х		
pwEraseSupport				х									
pwFormatStatusLog	7					Х							
wLockedRegions												Х	
wMPOutputMode	classic buffer		Х									~	
wPhysicalElementStatus				Х		Х							
pwPowerConsumption	7										Х		
owPowerTelemetry	7										X		
owSCSIDefects	p g pg							Х					х
owSCSIMP	page# page-subpage#		х										
owSCSIMPControl	current default saved changeable all		х										
howSMARTErrorLog	summary comprehensive												х
howSupportedFormats						Х			Х	Х			
owSupportedProtectionTypes						Х							
	yourTCGpassword			Х								Х	
nartAttributeAutosave	enable disable												х
martAttributes	raw analyzed	х						х					Х
nartAutoOffline	enable disable												х
nartCheck		х											х
artErrorLogFormat	raw detailed												х
artFeature	enable disable												х
nartInfo	+	' -	\vdash										Х
	-	x	1								Х		Ĥ
oinDown													

			_			1		_							
-standby_z -standby_z -standby_z -standby_z -standby_z -stopOnError -stopOnError -stopOnError -stopOnError -stopOnError -stopOnExteror -telemetryDataArea 1 2 3	standby											х			
	standby_y											x			
	standby_z											x			
Testinfo	stopOnError							х							
	stopOnListError						Х								SAS only
	swtchFW					Х									NVMe only
-transitionPower	tcgInfo												Х		
-transitionPower	telemetryDataArea	1 2 3									х				NVMe only
-transitionPower	tempStats										х				NVMe only
trimRange	transitionPower	standby idle_a idle_b idle_c standby_y										х			
Starting LBA maxLBA	transitionPowerState	new power state									х	Х			NVMe only
LBA count X	trim	starting LBA maxLBA	х		х										
	trimRange	LBA count	х		х										
	deallocate	starting LBA maxLBA	х		х										NVMe Seagate Only
	deallocateRange	LBA count	х		х										NVMe Seagate Only
	twoMinuteGeneric							х							
	udsPort	lock unlock											Х		
	unlockATASec												Х		.
Seagate only Seag	unmap	starting LBA maxLBA	х		х										· ·
userGenericStart	unmapRange	LBA count	х		х										
volatilewriteCache	userGenericRange	LBA count						Х							
writeCache	userGenericStart	starting LBA maxLBA						Х							
writeSame				х											
Seagate only Seagate only Seagate only Seagate only Seagate only Seagate only	writeCache		Х	х											
Section Common to all tools Common to all tools Common to all tools		-			Х										
childModelMatchchildNewFWchildOnlyFWchildOnlyFWcsmilgnorePortcsmiUsePortcsmiVerbosedevice	writeSameRange	LBA count			Х										Seagate only
childModelMatchchildNewFWchildOnlyFWchildOnlyFWcsmilgnorePortcsmiUsePortcsmiVerbosedevice															
childModelMatchchildNewFWchildOnlyFWchildOnlyFWcsmilgnorePortcsmiUsePortcsmiVerbosedevice	Features Common to all tools	Options													
childNewFWchildOnlyFWcsmilgnorePortcsmiUsePortcsmiVerbosedevice			х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	USB Only
childOnlyFWcsmilgnorePortcsmilgn	childNewFW		х	Х	Х	х	х	+	Х			х	Х	х	i i
csmiUsePortcsmiVerbose device -i,deviceInfoechoCommandLineenableLegacyUSBPassthroughforceATAforceATADMA X X X X X X X X X	childOnlyFW		х	Х	Х	Х	Х	Х	Х			Х	Х	Х	ł
csmiUsePortcsmiVerbose device -i,deviceInfoechoCommandLineenableLegacyUSBPassthroughforceATAforceATADMA X X X X X X X X X	csmilgnorePort		х	Х	Х	Х	Х	_	Х			Х	Х	Х	•
-d,device deviceHandle			х	х	Х	Х	Х	Х	х			Х	х	Х	† ·
-device deviceHandle	csmiVerbose		_	+	_			1	-					_	
-i,deviceInfoechoCommandLineenableLegacyUSBPassthroughforceATAforceATADMA x x x x x x x x x x x x x x x x x x	-d,device	deviceHandle	х	Х	Х	Х	Х	_	Х	х	Х	Х	Х	Х	,
echoCommandLineenableLegacyUSBPassthroughforceATAforceATADMA x x x x x x x x x x x x x x x x x x	-		х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х	
enableLegacyUSBPassthroughforceATAforceATADMA x x x x x x x x x x x x x x x x x x x				+	_			_	 			—	_		
forceATAforceATADMA x x x x x x x x x x x x x x x x x x x	enableLegacyUSBPassthrough			+			—	_	Х			—	1		
forceATADMA				+	_		—	+	Х			—	1	_	
		7		+				+	1						SATA only
	forceATAPIO			+	_		—	+	 			—			SATA only

	1			1	1					1		1	1	
forceATAUDMA	1	×	: x	Х	Х	Х	Х	Х			Х	Х	Х	SATA only
forceSCSI		×	: x	Х	Х	Х	Х	Х			Х	Х	Х	
-h,help		×	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
license		Х	: x	х	Х	Х	х	х	Х	х	Х	Х	Х	
modelMatch	model Number	х	: x	х	х	х	х	х	х		х	х	х	
onlyFW	fw rev	×	x	х	х	Х	Х	х			Х	Х	Х	
onlySeagate		Х	: x	х	Х	Х	х	Х	Х		Х	Х	Х	
-q,quiet		Х	: x	х	Х	Х	х	х		Х	Х	Х	Х	
sat12byte		Х	: x	х	х	Х	Х	х			Х	Х	Х	
SATInfo		×	: x	х	х	Х	х	х			Х	Х	Х	SATA only
-s,scan, -S,Scan		×	: x	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
-F,scanFlags	sd, sgtosd, ata, usb, scsi, nvme, interfaceATA, interfaceUSB, interfaceSCSI, interfaceNVME, ignoreCSMI (Win only), allowDuplicates (Win only)	×	x	x	х	x	x	x		x	x	x	x	Some options are OS specific
testUnitReady		×	х	х	х	Х	Х	х		Х	Х	Х	Х	
usbChildInfo		Х	: x	х	Х	Х	х	Х	Х		Х	Х	Х	USB Only
-v,verbose	0 1 2 3 4	Х	: x	х	х	Х	Х	х		Х	Х	Х	Х	
-V,version		Х	: x	х	х	Х	Х	х	Х	Х	Х	Х	Х	