

# **NEO XL-Series LTO-9 New Media Initialization**

#### January 2022

## Overview

This brief describes the initialization of new LTO-9 media being used in a NEO XL-Series library.

### **Description**

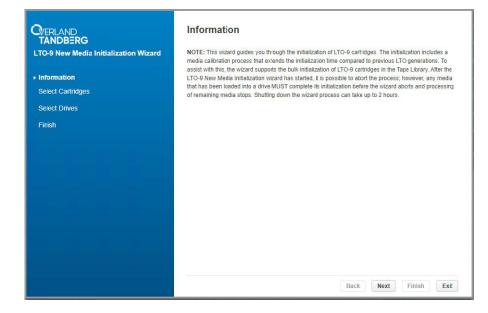
The increased number of tracks used to write data on an LTO-9 tape requires greater precision. Media optimization creates a referenced calibration for each cartridge that enables the tape drive's intelligent alignment to optimize data placement. LTO-9 media optimization enhances LTO tape long-term media durability.

- Media optimization is performed on first load of LTO-9 media during initialization.
- Media optimization is a one-time operation that can be completed on any drive in the environment, enabling the media to be used across all tape drives without further optimization.
- Media optimization averages 40 minutes per first load of a cartridge to a tape drive. Although most media optimizations will complete within 60 minutes, some media optimizations may take up to 2 hours.
- Interruption of the process is not recommended.

#### **Initialization Process**

- 1. Start the NEO XL-Series Media Optimization Wizard:
  - a. From the RMI, click Maintenance.
  - b. Click LTO-9 New Media Initialization Wizard.

The wizard starts at the Information page.



**2.** After reading the Information page, click **Next**.

The Select Cartridges page is shown. An "N/A" indicates the cartridge status is unknown while a checkmark indicates an initialized cartridge.

	Select Cartridges	
LTO-9 New Media Initialization Wizard	Select the cartridges you want to be initialized. NOTE: If a cartridge has not been previously loaded into a recognized without a valid barcode label.	tape drive, the cartridge generation cannot be
Information	Available Cartridges	Selected Cartridges
► Select Cartridges	Slot Barcode Gen. Init.	Slot Barcode Gen. Init.
Select Drives	1.36 AI4712L9 9 🗸 *	*
Finish	1.39 Al4701L9 9 N/A	
	>> <<	
	Select All	Select All
		Back Next Finish Exit

**3.** Select the LTO-9 Cartridges to be initialized.

신경 방법을 위해 방법을 읽으면 모양을 가지 않는 것이 없다.					West and						
TO-9 New Media Initialization Wizard	NOTE	the cartridges If a cartridge ized without a	has not be	en prev	viously loaded	into a tape di	rive, t	he cartridge ger	neration c	annot t	be
Information	Aval	lable Cartri	dges			5	iele	cted Cartrid	ges		
Select Cartridges	Slot	Barcode	Gen	Init.			Slot	Barcode	Gen.	Init.	
Select Drives	1.36	AI4712L9	9	~	<b>~</b>	1	1.39	AI4701L9	9	N/A	-
Finish	1.37	F30033L9	9	~							
						~					
		Sele	ect All					Selec	t All		

4. Select available LTO-9 Drives to be used for the initialization of selected cartridges.

LTO-9 New Media Initialization Wizard Information Select Cartridges > Select Drives	NOTE: efficien	The m icy, it is r of LT(	iedia initia recomme D-9 drives	lization proce	nitialization of th iss can run for a is many LTO-9 o zation Wizard	is much as	2 hours p	er cartri			
Select Cartridges	Availa			in the Initialia	nation Wizard					ie maximum	
		able I	Deliver		conon meand.						
Select Drives	Drive						Select				
	Drive 3		n. Form HH	Interface SAS			Drive	Gen.	Form	Interface	
Finish	Dill's s			GNO							
						>> <<					4
			Select	AII					Select	All	

For multiple cartridges, it is recommended to use as many LTO-9 drives as available to maximize efficiency.

TANDBERG	O - I - A T			N-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1					
TO-9 New Media Initialization Wizard	NOTE: The efficiency, i	e media initial t is recomme	ization proces nded using as	s can run for as many LTO-9 dri	selected cartridges much as 2 hours po ves as are available	er cartr			
Information	number of	LTO-9 drives	in the Initializa	ation Wizard.					
Select Cartridges	Availabl	e Drives			Selecte				
	Drive	Gen. Form	Interface		Drive	Gen.	Form	Interface	
Select Drives				*	Drive 3	9	HH	SAS	-
				~					
		Select	AII				Select	All	

**5.** Confirm the Media Initialization Task List and click **Finish**.

OVERLAND TANDEERG LTO-9 New Media Initialization Wizard Information	efficiency, it is recommended number of LTO-9 drives in the	n process can run for as much as 2 hours per using as many LTO-9 drives as are available b Initialization Wizard.	
Select Cartridges	Not yet started		
Select Drives			
▶ Finish	Task AI4701L9	Info Media initialization not yet started	Status
	Abort Media Initialization		
		Back	Finish Exit

The Media Initialization process starts.

OVERLAND TANDBERG LTO-9 New Media Initialization Wizard	efficiency, it is recommended	n process can run for as much as 2 hours per using as many LTO-9 drives as are available 1		
Information Select Cartridges	number of LTO-9 drives in the Processing	Initialization Wizard.		
Select Drives	Task	Info	Status	
▶ Finish	AI4701L9, Drive 3	Media initialization in progress	Street	*
	Abort Media Initialization			
	12	Back	Next Finish Ex	it

Multi-drive media initialization example:

TANDBERG LTO-9 New Media Initialization Wizard	efficiency, it is recommende	on process can run for as much as 2 hours p d using as many LTO-9 drives as are availab		n
Information	number of LTO-9 drives in th	e Initialization Wizard.	-	
Select Cartridges	Processing		314	
Select Drives	Task	Info	Status	
▶ Finish	AI4712L9, Drive 2	Media initialization in progress		,
	F30033L9, Drive 3	Media initialization in progress		
	Abort Media Initialization			

6. When the media initialization is completed, the Maintenance menu page is shown.

Maintenance > LTO-9 N	ew Media Initialization Wizard	Library Tests	
	ou through the initialization of LTO-9 cartridges. The in		
assist with this, the wizard su	a: extends the initialization time compared to previous upports the bulk initialization of LTO-9 cartridges in the on wizard has started, it is possible to abort the proces	Tape Library. After the Firmware Upgrades	
	frive MUST complete its initialization before the wizard ting down the wizard process can take up to 2 hours.	aborts and processing of Download Drive Logs	
		System Reboot	
Finished		Drive Reboot	
Task	Info	Status UID LED Control	
AI4701L9, Drive 3	Media initialization completed	Move Robotic to Base M	lodule
		LTO-9 New Media Initial Wizard	ization
		Support Information	

The Library and Drives are back online to host.

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