

User Guide List Based Testing

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Chapter 1 - Introduction

Please ensure eXport PC software and firmware v7.x and above has been installed into your workstation and WireXpert devices before you proceed further. Please visit http://itnetworks.softing.com/ to download the latest version.

List-Based Testing (LBT) is the world first to adopt customized hierarchical cable labelling scheme. LBT changes how cable testing is conducted, from entering and saving a label after each test to simply choosing which label from the preloaded list to conduct the test.

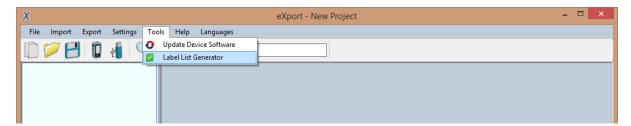
The LBT is ideal for project managers who has preference on how cables should be labelled and creates flexibility for onsite testers to conduct test in non-sequential order by choosing, skipping and returning to the untested points. When the site is completed, the project managers does minimal sorting and searching from his/her preferred list, saving time thus increasing productivity.

This user guide will only contain information and instructions on how to use the List-Based Testing on eXport software and WireXpert. Please refer to User Manual and Guides for WireXpert for device help.

Chapter 2 – Creating the List

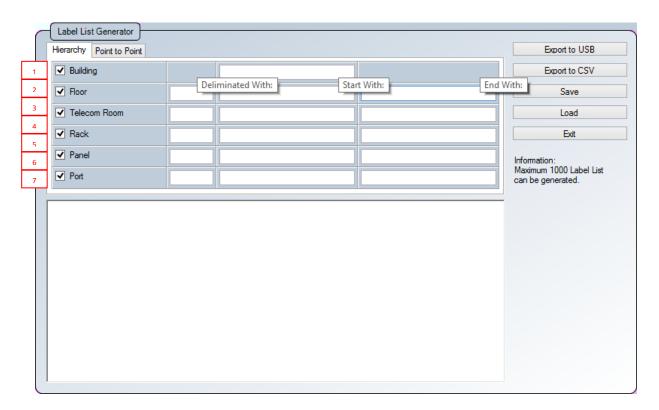
Label List Generator

- 1. Launch eXport software.
- 2. Go to Tools > Label List Generator



Hierarchy

Besides Building name, each tier of hierarchy labelling can be delimited or text separated with alphanumeric characters such as "- ", ";", "<>", etc in the "Delimitated With" field. The first unit (floor/room/rack/panel/port) of each tier should be entered in the "Start With" field and the last in the "End With" field. If a certain tier is not applicable, e.g., the building has only one floor, uncheck "Floor" to remove tier from hierarchy.



- 1. Building The building name where LBT will be used.
- 2. Floor The number of floors the building has.
- 3. Telecom Room The number or name the telecom name is called.
- 4. Rack The number or name the rack is called.
- 5. Panel The number or name the panel is called.
- 6. Port The number or name the port is called.

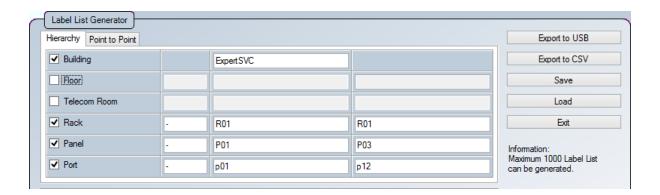
Note: Hierarchical tiers (Floors, Telecom Rooms, Racks, Panels and Ports) must be entered in corresponding formats (e.g. 01 and 10, B1 and B3, -1 and -4, 1# and 5#) to generate labels.

Only alphanumeric and ASCII characters are supported for List-Based Testing.

Scenario 1

Expert Services occupies a single floor in an office building, with only 1 Rack(R) and 3 Panels(P) in 1 Server room. Only 12 ports(p) are used from each panel. They have plans to add another Rack in the near future.

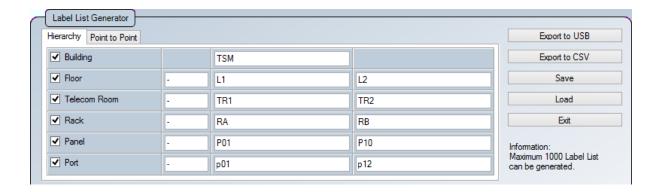
Building	Floor		Telecom Room		Rack		Panel		Port		Labels Generated	
E-SVC	n.a	n.a	n.a	n.a	R01	R01	P01	P03	p01	p12	E-SVC-R01-P01-p01 ~ p12 E-SVC-R01-P02-p01 ~ p12 E-SVC-R01-P03-p01 ~ p12	
Total number of	of labels	36										



Scenario 2

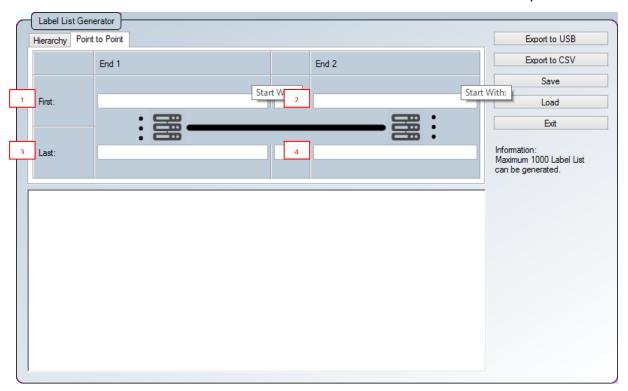
Tech Shopping Mall has 2 floors(L) with 2 Telecom Room (TR) on each floor. There are 2 Racks (R), each with 10 Panels (P), using 12 ports (p) on each panel.

Building	Floo	r	Telecom Rack Room		Panel		Port							
MSM	L1	L2	TR1	TR2	RA	RB	P01	P10	p01	p01 P12				
Labels Generated														
Level 1, Room 1,	Level 1, Room 1, Rack B					vel 1, Ro	om 2, R	ack A	Level 1, Room 2, Rack B					
TSM-L1-TR1-RA-P01-p01~12			TSM-L1-TR1-RB-P01-p01~12					M-L1-TR	2-RA-PC	1-p01~1	TSM-L1-TR2-RB-P01-p	001~12		
TSM-L1-TR1-RA-P02-p01~12			TSM-I	_1-TR1-	RB-P02-	p01~12	TS	M-L1-TR	2-RA-PC	2-p01~1	TSM-L1-TR2-RB-P02-բ	01~12		
TSM-L1-TR1-RA-I	P03-p0	1~12	TSM-I	TSM-L1-TR1-RB-P03-p01~12					2-RA-PC	3-p01~1	TSM-L1-TR2-RB-P03-p01~12			
TSM-L1-TR1-RA-I	P04-p0	1~12	TSM-I	TSM-L1-TR1-RB-P04-p01~12					2-RA-PC	4-p01~1	TSM-L1-TR2-RB-P04-p01~12			
TSM-L1-TR1-RA-P05-p01~12 TSM-			TSM-l	_1-TR1-	RB-P05-	p01~12	TS	M-L1-TR	2-RA-PC	5-p01~1	TSM-L1-TR2-RB-P05-p01~12			
TSM-L1-TR1-RA-P06-p01~12			TSM-L1-TR1-RB-P06-p01~12					M-L1-TR	2-RA-PC	6-p01~1	TSM-L1-TR2-RB-P06-p01~12			
TSM-L1-TR1-RA-P07-p01~12			TSM-I	L1-TR1-	RB-P07-	p01~12	TS	M-L1-TR	2-RA-PC	7-p01~1	12	TSM-L1-TR2-RB-P07-p01~12		
TSM-L1-TR1-RA-I	P08-p0	1~12	TSM-I	L1-TR1-	RB-P08-	p01~12	TS	M-L1-TR	2-RA-PC	8-p01~1	12	TSM-L1-TR2-RB-P08-p01~12		
TSM-L1-TR1-RA-I	P09-p0	-p01~12 TSM-L1-TR1-RB-P09-p			p01~12	TS	TSM-L1-TR2-RA-P09-p01~12				TSM-L1-TR2-RB-P09-p01~12			
TSM-L1-TR1-RA-I	P10-p0	1~12	TSM-l	TSM-L1-TR1-RB-P10-p01~12			TS	M-L1-TR	2-RA-P1	.0-p01~1	TSM-L1-TR2-RB-P10-p01~12			
Level 2, Room 1,	Rack A	4	Level	2, Roor	n 1, Rac	k B	Le	vel 2, Ro	om 2, R	ack A	Level 2, Room 2, Rack B			
TSM-L2-TR1-RA-I	P01-p0	1~12	TSM-l	TSM-L2-TR1-RB-P01-p01~12				M-L2-TR	2-RA-PC	1-p01~1	12	TSM-L2-TR2-RB-P01-p01~12		
TSM-L2-TR1-RA-I	P02-p0	1~12	TSM-L2-TR1-RB-P02-p01~12				TS	M-L2-TR	2-RA-PC	2-p01~1	12	TSM-L2-TR2-RB-P02-p01~12		
TSM-L2-TR1-RA-I	P03-p0	1~12	TSM-L2-TR1-RB-P03-p01~12				TS	M-L2-TR	2-RA-PC	3-p01~1	TSM-L2-TR2-RB-P03-p01~12			
TSM-L2-TR1-RA-I	P04-p0	1~12	TSM-L2-TR1-RB-P04-p01~12				TS	M-L2-TR	2-RA-PC	4-p01~1	TSM-L2-TR2-RB-P04-p01~12			
TSM-L2-TR1-RA-I	P05-p0	1~12	TSM-L2-TR1-RB-P05-p01~12			TS	M-L2-TR	2-RA-PC	5-p01~1	12	TSM-L2-TR2-RB-P05-p01~12			
TSM-L2-TR1-RA-I	P06-p0	1~12	TSM-L2-TR1-RB-P06-p01~12			TS	M-L2-TR	2-RA-PC	6-p01~1	12	TSM-L2-TR2-RB-P06-p01~12			
TSM-L2-TR1-RA-I	P07-p0	1~12	TSM-L2-TR1-RB-P07-p01~12			TS	M-L2-TR	2-RA-PC	7-p01~1	12	TSM-L2-TR2-RB-P07-p01~12			
TSM-L2-TR1-RA-I	P08-p0	1~12	TSM-L2-TR1-RB-P08-p01~12			TS	M-L2-TR	2-RA-PC	8-p01~1	12	TSM-L2-TR2-RB-P08-p01~12			
TSM-L2-TR1-RA-I	P09-p0	1~12	TSM-I	TSM-L2-TR1-RB-P09-p01~12			TS	M-L2-TR	2-RA-PC	9-p01~1	12	TSM-L2-TR2-RB-P09-p01~12		
TSM-L2-TR1-RA-I	P10-p0	1~12	TSM-I	L2-TR1-	RB-P10-	p01~12	TS	TSM-L2-TR2-RA-P10-p01~12				2 TSM-L2-TR2-RB-P10-p01~12		
Total number of labels generated							ı				960)		



Point to Point

The Point-to-Point label generator creates labels for straight forward connections from Point A to Point B such as Backbone or connections terminations between two panels.



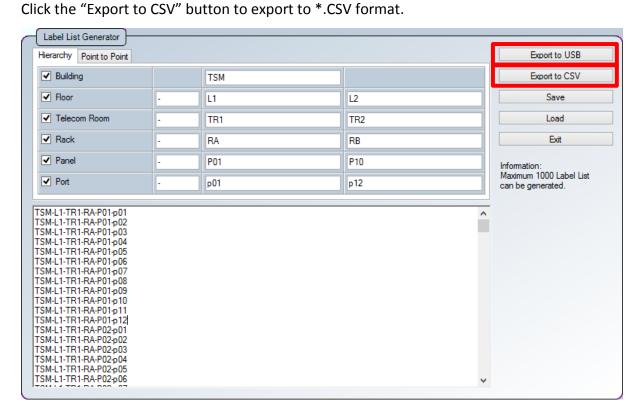
- 1. First End 1 The end of the first cable in the list.
- 2. First End 2 The other end of the first cable.
- 3. Last End 1 The end of the last cable in the list.
- 4. Last End 2 the other end of the cable in the list.

Note: Only alphanumeric and ASCII characters are supported for List-Based Testing.

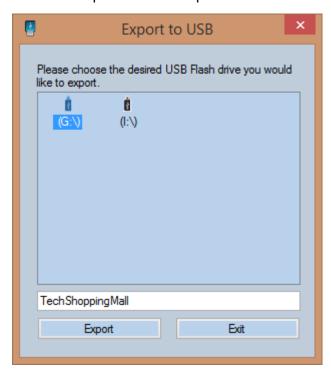
Chapter 3: Managing the List

Exporting the List

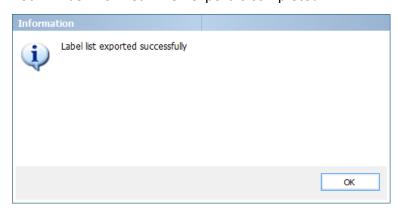
1. Click the "Export to USB" button to export completed list to USB flash drive.



Enter filename and select the USB flash drive to export LBT file to.Click the "Export" button to proceed.



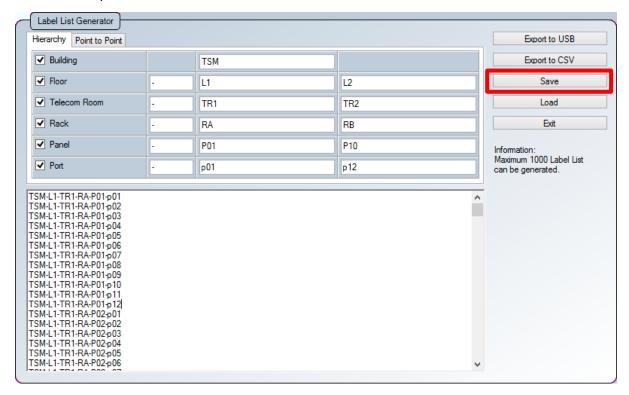
3. You will be informed when export is completed.



Note: You are recommended to save your List Based Testing file before exporting.

Saving the List

1. Click the "Save" button to save the completed list. Incomplete list can also be saved for later completion.

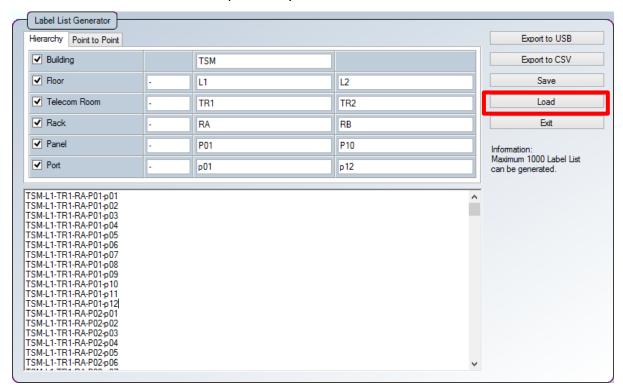


2. Select directory and click the "Save" button to proceed.

Click on the Site name to display test results saved within the site.

Loading the List

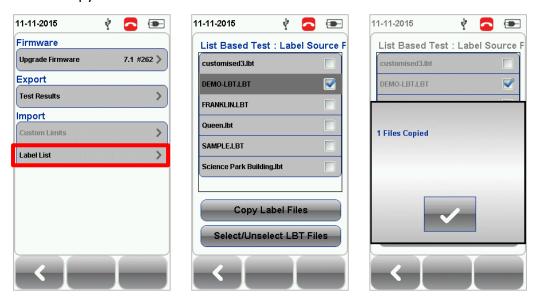
1. Click the "Load" button to load a previously saved LBT file.



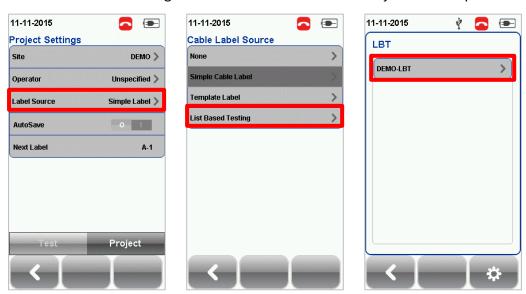
- 2. Loading a saved LBT file enables amendment or completion to the list.
- 3. Click the "Save" button to save the updated file.

Importing the List

- 1. Power on WireXpert.
- 2. Insert the USB flash drive the LBT file is exported to onto the Local unit of WireXpert.
- 3. WireXpert will automatically detect the USB flash drive.
- 4. Select "Label List" and the respective lists you want to import.
- 5. Select "Copy Label Files"



- 6. Press the SETUP button > Project Settings > Label Source
- 7. Select "List Based Testing" and select the LBT file that has just been imported.

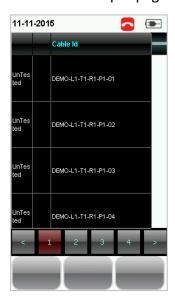


Note: Please ensure you have selected the Site to apply LBT before importing.

Chapter 4: List-Based Testing

Performing the Test

1. Press the AUTOTEST button to load the list. WireXpert will display the labels in hierarchical order per page.



- 2. Select label from list to perform AUTOTEST.
- 3. WireXpert will automatically save a PASS result and return to the list, or allows you to save or conduct a re-test for a FAIL result manually.
- 4. Press the AUTOTEST button to return to the label list.
- 5. Select a tested label to view the results. A PASS and a FAIL would be indicated accordingly. A re-test for a failed result can be conducted by pressing retest button.



6. Press the AUTOTEST button to return to the label list.

Viewing the List Based Testing Results

- 1. Insert the USB flash drive onto the Local unit of WireXpert.
- 2. WireXpert will automatically detect the USB flash drive.
- 3. Select Export > Test Results.

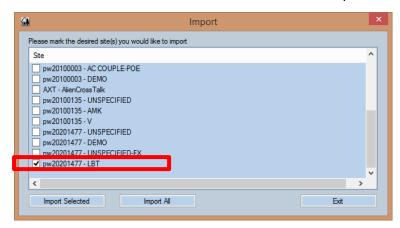




- 1. Insert the same USB flash drive to your workstation and launch export software.
- 2. Go to Import > Device or click the 4 "USB Flash Drive" icon.
- 4. Select the Drive you wish to import the Test Result from. Click "Import" to proceed.



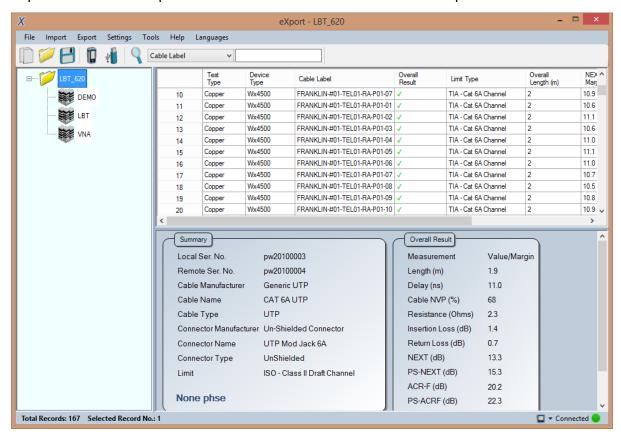
5. Select the site with the save LBT data and click "Import Selected".



6. Status bar will indicate "Transferring" during the import.



7. eXport will load the imported LBT file in hierarchical order once completed.



Technical Support

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