# ESPO Label Management Software

By QRlogix

# USER MANUAL

V1.5.3

QRlogix LMS			- 🗆 X
≡ EspoLMS I On-Demand	Template H1		S23-1001-A1-1
On-Demand     Print Share	Prefix / Accession	S23 1001	MARCO POLO MART-1
📼 Templates 🗸 🗸	Sample / Block	A 1	ABC123
<ul><li>Template 1</li><li>Template 2</li></ul>	Stain	MART-1	Print History Show All
Template B1	Patient Name	MARCO POLO	
<ul> <li>Template H1</li> <li>Template M1</li> </ul>	Free Text 1	FSU1	
Template P1	Free Text 2	ABC123	
🔲 Template R B 1	Slide	1 To 1	
Barcodes		PRINT	
☐ Import Template			
R Administrator			
🐯 Setup and Preferences			

### Contents

P.2 Contents

P.3 Customer Support

P.5 Installation

P.8 License Activation

P.9 Interface overview

P.10 On-Demand Printing

P.11 Customize Templates

P.13 Text Fields

P.13 Numeric Fields

P.14 Panels

P.15 Sequential Letters

P.16 Sequential Numbers

P.17 Reverse Print Order

P.17 Properties

P.18 Edit Name

P. 18 Magazine Selection

P.19 Driver Installation for dual magazines

P.20 Save / Clear / Lock form fields

P.21 Barcode Scanner Setup

#### P. 22 Print Share – Connect to LIS

P.23 Service installation/activation

P.24 Interface overview

P.25 Print Share Settings

P.25 Folder Settings

P.25 Data Settings

P.28 Label Settings

P.29 Magazine Selection setup

P.30 Launch Print Share

#### P. 32 Label Designer

P.32 Understanding Label Designer

P.33 Label design code

P.33 Permanent text

P.37 Adding barcodes to the label

P.38 Current date

P.39 Sequential vs duplicate printing

### CUSTOMER SUPPORT

Immediate customer support is available by phone and email. If we are unavailable at the moment, we will get back to you at our first available opportunity.

Phone support: 800-650-0632

Email support: ESPO@QRlogix.com

User manuals, support documents and video tutorials can be found at: <a href="https://grlogix.com/pages/espolms-support">https://grlogix.com/pages/espolms-support</a>

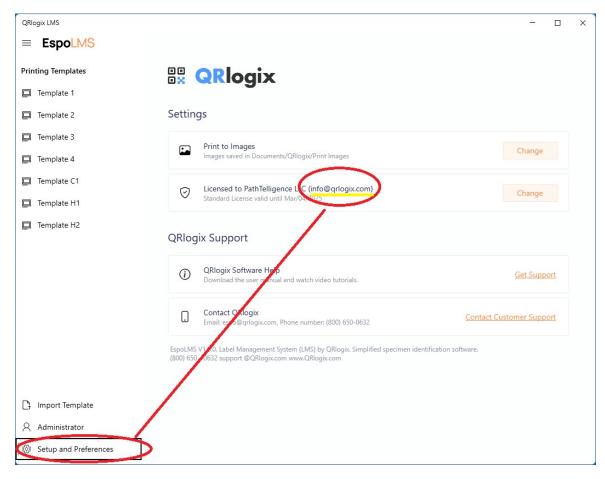


Scan for Support

Support resources are also available by clicking links inside the software:

QRlogix LMS		- 0
= EspoLMS		
Printing Templates		
Template 1	<u>.</u>	
Template 2	Settings	
Template 3	Print to Images	
Template 4	Print to Images Images saved in Documenta/QRlogio/Print Images	Change
Template C1	Ucensed to PathTelligence LLC (info@priogic.com)	Change
Template H1	Standard License valid until Mar/04/2025	Change
Template H2	QRlogix Support	
	QR logist Software Help     Download the user menual and watch wideo tutorials.	Get Support
	Contact QRIogix Enails expo@sprogic.com, Phone number (800) 55-2532	Contact Customer Support
C3 Import Template	Espol.MS V1.0.0. Label Management optimer (LMS) by QHogio. Simplified specimen identification (000) 632 - 6632 support antibolic.com www.QRiopla.com	software.
	(IIII) 650 - 9675 support disagnicion www.caeognicion	



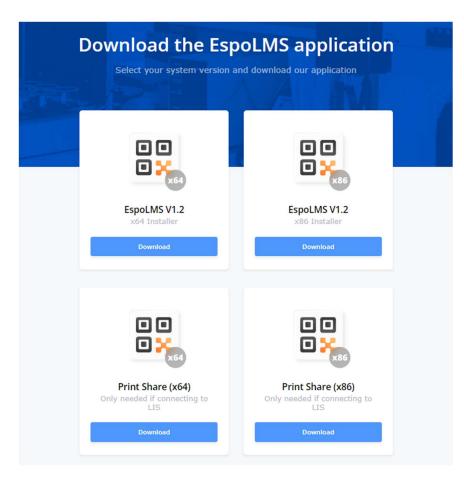


If login is required, use the email address shown on the Setup and Preferences page.

### INSTALLATION

Follow the link in your welcome email to download the ESPO LMS software.

Chose the correct version for your operating system.



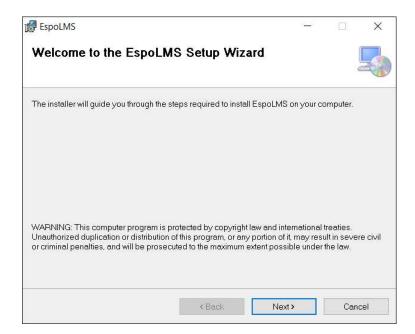
To determine if you need x64 (most common) or x86, go your Windows Control Panel, and then select System -> About, and reference System Type.

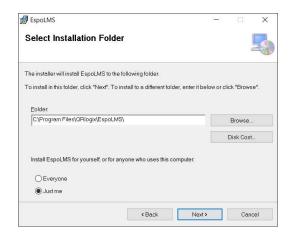
The Print Share download is ONLY NEEDED IF YOU ARE CONNECTING TO LIS or printing data from the shared folder. Otherwise, you should not download and install the Print Share service application.

**IMPORTANT:** If installing PrintShare, the same credentials must be used through all aspects of the installation to avoid network access errors. The main application, the PrintShare service application, and the unlock key must all be installed/activated using the same credentials that access the shared folder.

Select the appropriate files to download, click the link to begin the installation.

The installer window will appear. Click Next to begin the installation.





Confirm the file installation path.

Next, determine if anyone else who logs into the workstation will need access to the software. If so, select Everyone, otherwise choose Just me.

Choose Next to continue.

#### CONFIRM INSTALLATION

Click Next to confirm the installation.

Installation will begin.

Allow for a few minutes for the QRlogix LMS installation to complete.

EspoLMS		-	
Confirm Installation			Ę
The installer is ready to install Esp	oLMS on your computer.		
Click "Next" to start the installation.			
	< Back	Next >	Cancel



Once instllation completes, an icon for the ESPO LMS will appear on the computer's desktop.

Click the icon to launch the software.

### LICENSE ACTIVATION

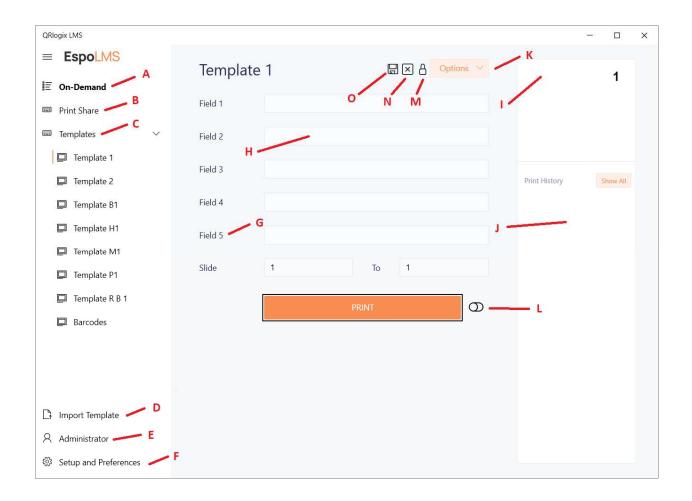
There are two options for license activation:

- Drag and drop license file into license activator window
   PLEASE ALLOW 10 - 20+ SECONDS TO PROCESS
- 2. Click BROWSE FILES, and then navigate to the folder and select the license file for activation

E LoadLicenseWindow	-		×
Welcome to EspoLMS			
Load your license to start using our software. files your to find the QRlogix license file.	Drop oi	brows	e
1			1
Drop your license file			1
here or browse files			1
1			'
BROWSE FILES			

Once the license is confirmed, the ESPO LMS will open on your screen:

QRlogix LMS							>
EspoLMS	Template 1 Slide labels formatted	for five lines of free to	ext.	A Opti	ons \vee		
Print Share	Field 1						
Templates V	Field 2						
Template 2	Field 3					Print History	Show All
<ul> <li>Template 3</li> <li>Template 4</li> </ul>	Field 4						
Template B1	Field 5						
Template C1	Slide	1	То	1			
<ul> <li>Template H1</li> <li>Template H2</li> </ul>			PRINT		Θ		
Import Template							
Administrator							
Setup and Preferences							



### INTERFACE OVERVIEW

- A = On-Demand: Templates for printing from keyboard or barcodes
- B = Print Share: Connects with LIS to receive print jobs through a shared folder
- C = List of different templates that are setup to print to the ESPO printer.
- D = Import a new template from the library located at Documents\QRlogix\Templates
- E = Add new users. Switch current user
- F = Swith from printer to print to images. License information. Software support links
- G = Editable name of the form field
- H = Form field user input data
- I = Label print preview
- J = Print history
- K = Customize Template, Label Designer, Export Template, Delete Template
- L = Auto-Print Intitates immediate print upon cursor arriving at Print button
- M = Lock/Unlock Form fields
- N = Clear field content/reset counters
- O = Save field content/counter values

### **On-Demand Printing**

On-demand printing allows data to be added to template forms from keybaord entry, barcode scanning, or a combination of both.

You can adjust form field features by clicking the Optopns dropdown, and selecting Customize Template.

	Customize Template	
QRlogix LMS	Export Template	- 0 ×
EspoLMS	Delete Template	

Customize Form allows you to select different form items and edit their individual properties. You can also add/remove and move form objects such as dropdown boxes, text fields and numeric fields.

QRlogix LMS		×
≡ EspoLMS	Customize Form	Cancel Save
≣ On-Demand		
Print Share	+ Add Field	
📼 Templates 🛛 🗸	Study #	
Template 1		Label Designer
Template 2	Group Quantity	
Template B1		Properties
Template C1	Animal Quantity	Barcode reader
Template H1		barcode reader
Template H2	Block Quantity	
Template P1		
Template R B 1	Misc	
	Printer Selection	
	Slide From Slide To	
C Import Template		
Administrator		
Setup and Preferences		

To add fields or dropdown boxes to a form, select the Add Field option at the top of the window.

### **QR logix**

Customize Form	i de la constante de
(+) Add Field	
Aa Text field	
# Numeric field	
🔚 Dropdown box 🛛 🔤	
Dropdown box Panels	Quantity
	Quantity

Select the type of form field you want to add, and proceed to edit the field settings accordingly.

Text	Field Settings	Drop	down Field Se	ttings	Numeri	c Field Settings	5
ii Text input	×	# Text input		×	26 Text input		×
Field sett	ings	Field sett	ings		Field sett	ings	
FIELD NAME	Text 1	FIELD NAME	Selection 1		FIELD NAME	Numeric 1	
IDENTIFIER	@text1@	IDENTIFIER	@selection1@		IDENTIFIER	@numeric1@	
SAMPLE VALUE	Sample value	LOCKED Customize dr	• Unlocked opdown options		SAMPLE VALUE	1001	
MAX LENGTH	15 ^ ~	Create, update or	remove the values shown in the dro	pdown	AUTO INCREMENT		
LOCKED	Unlocked	Name Selection 1	Value Selection 1	~	LOCKED	Unlocked	
		Name	Value				
Cancel	Create	Selection 2	Selection 2	···· ~	Cancel	Create	
		( Add Optic	n				74
		Can	cel C	reate			

#### 

Panels			Sequential	letters		Sequential	numbers
18 Panels Settings	- 0	×	ti Text input		×	ta Text input	>
Panels Settings		2	Field sett	ings		Field sett	ings
STATUS Contractive			FIELD NAME	Letters		FIELD NAME	Numbers
Customize panels options Create, update or remove the values shown i	n the dropdown		IDENTIFIER	@letters@		IDENTIFIER	@numbers@
Panel name			SAMPLE VALUE	A		SAMPLE VALUE	1001
(+) Add new Panel		5	MAX LENGTH	5 ^	$\sim$	LOCKED	
Cancel	Save		LOCKED	Unlocked			
		al	Cancel	Create		Cancel	Create
							11

Note the Identifier. The identifier connects the data in the form fields to the corresponding location on the slide label.

Afer adding a new form field, the identifier must also be added to the label in label designer. If the identifier is not added to the label, the data from the form will not appear or print out.

IMPORTANT: Whenever a new field is added to a form, a corresponding identifier must be added to the label as well.

AAA ^CIO ^FT5.50 ^AON.30 ^D@prefix@-0 ^FT5.103 ^AON.30 ^FD@text5@ ^F ^FT5.155 ^AON.30 ^FD@text6@ ^F ^FT5.210 ^AON.30 ^FD@text7@ ^F ^PQ1.1.1.Y ^XZ	5 ±# Text input	×	B22-1001-A1-1 FSU DERM3 DERM3 Showing sample data for preview Get support and watch tutorials
	LOCKED Un	locked	
	Cancel	Save	

#### EDIT FORM FIELDS

#### Text Field

ngs		
Field 2		
@text2@		
1001		
15	^	~
	ocked	
	@text2@ 1001 15	Field 2 @text2@ 1001

FIELD NAME: Rename field

IDENTIFIER: Used to place data on label. A corresponding identifier must be included on the label for data to appear

SAMPLE VALUE: Is displayd in Label Designer preview. It's important to use data similar to what will acutally be used.

MAX LENGTH: Set max character length to print on label

LOCKED: Locks form field so data remains and cursor skips field

Save or Cancel selections

#### Numeric Text Field

Field setti	nas	
FIELD NAME	Numeric 1	
IDENTIFIER	@numeric1@	
SAMPLE VALUE	1001	
AUTO INCREMENT	$\bullet$	
LOCKED	Unlocked	
LEADING ZEROS		
DIGITS	5	$\sim$

Numeric data input box

FIELD NAME: Rename field

IDENTIFIER: Used to place data on label. A corresponding identifier must be included on the label for data to appear

SAMPLE VALUE: Is displayd in Label Designer preview. It's important to use data similar to what will acutally be used.

AUTO-INCREMENT: Set number to automatically increment after each print job

LOCKED: Locks form field so data remains and cursor skips field

LEADING ZEROS: Prints leading zeros based on user defined numbed of digits

Save or Cancel selections

#### Dropdown box settings

IELD NAME	Selection 1		
DENTIFIER	@selection1@		
OCKED	Unlocked		
reate, update or	remove the values shown in th	he dropdown	
Name	remove the values shown in th Value	he dropdown	
		he dropdown	•• ~
Name	Value	he dropdown	•• ~

#### Input selection list

FIELD NAME: Rename field

IDENTIFIER: Used to place data on label. A corresponding identifier must be included on the label for data to appear

LOCKED: Locks form field so data remains and cursor skips field

Customize dropdown field options:

- Name
- Printed value
- Move up/down
- Remove selection
- Add new selection

Save or Cancel selections

List of stains to print for each record

PANEL: Group of selections (stains) to print, individually

PANEL SELECTIONS: Individual values for the panel group. Each selection is printed on one slide. If there are 3 selections, 3 slides will print, one with each of the selection values.

ADD NEW PANEL: Allows user to create a new panel group.

ADD OPTION: Allows user to add new individual selections to print with the panel group.

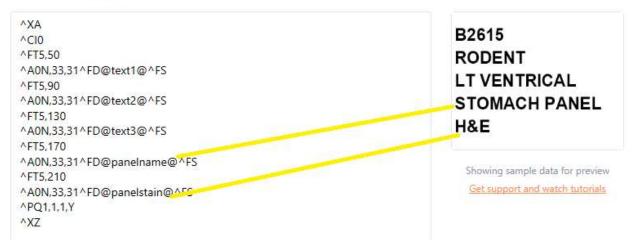
Save or Cancel selections

#### Stain Panels Dropdown

Panels Settings		-	
Panels Settir	ngs		
STATUS	O Active		
Customize panels Create, update or remov		the dropdow	n.
STOMACH PANEL	Name		
STOWACTTAILLE	H&E		··· ~
	Name		
	CD3		~
	Name		
	TRCHRM		··· ~
	+ Add Option		
Remove Panel			
COLON PANEL	Name		
	H&E		~
	Name		
	H PYLORI		$\cdots \sim$
	Add Option		
Remove Panel			
Add new Panel			

### Add panel identifiers to the label:

### Label Designer



### Printing sequentially lettered/numbered slides:

#### Sequential letters

Field setti	ngs	
FIELD NAME	Letters	
IDENTIFIER	@letters@	
SAMPLE VALUE	A	
MAX LENGTH	5	$\sim$
LOCKED	Unlocked	

FIELD NAME: Rename field

IDENTIFIER: Used to place data on label. A corresponding identifier must be included on the label for data to appear

SAMPLE VALUE: Data that is displayed in label designer placeholder

MAX LENGTH: Displayed/Printed data not to exceed this many ahracters

LOCKED: Locks form field so data remains and cursor skips field

Save or Cancel selections

### Sequential Numbers

×	FIELD NAME: Rename field
ings	IDENTIFIER: Used to place data on label. A corresponding identifier must be included on the label for data to appear
Numbers	
@numbers@	SAMPLE VALUE: Data that is displayed in label designer placeholder
1001	LOCKED: Locks form field so data remains and cursor skips field
Unlocked	
• False	LEADING ZEROS: Prints leading zeros based on user defined numbed of digits
•	REVERSE ORDER: Prints in opposite order of default
0 ^ ~	Save or Cancel selections
Create	
	Numbers @numbers@ 1001 Unlocked False 0 ^ V

Add sequential letters and sequential numbers identifiers to the label:

### Label Designer

^XA ^CI0 ^FT5,50 ^A0N,33,31^FD@text1@^FS	B2615 A
^FT5,90	1001
^A0N,33,31^FD@letters@^FS	DB21-1233
^FT5,130	40/40/22
^A0N,33,31^FD@numbers@^FS	10/10/22
^FT5,170	
^A0N,33,31^FD@text4@^FS	
^FT5,210	Showing sample data for preview
^A0N,33,31^FD@text5@^FS	Get support and watch tutorials
^PQ1,1,1,Y	
^XZ	

#### Reverse the printing output order

Reverse Print Order	×
Customize inpu	ıt
FIELD NAME Slide	
	Unlocked
REVERSE ORDER	True
Cancel	Save

FIELD NAME: Rename field

LOCKED: Locks form field so data remains and cursor skips field

REVERSE ORDER: Flips output so sequential numbering order is reveresed

Save or cancel selection

#### PROPERTIES

To edit template properties, select the Properties button on the Customize Template screen below Label Designer.

	roperties			
Custom	ize fo	rm header		
ITLE		Template 1		
UBTITLE		Slide labels formatted for five lines o	f free text.	
Magazi	ne Se	ection		
Hide field	(	Unhidden		
C <mark>ustomiz</mark> Add or remo		izine options <sup>tines</sup>		
	Name		Selected	
	Ø	ESPO Magazine 2 Ready		
	Name		Selected	
	q	ESPO Magazine 1 Ready		
	Name		Selected	
		Print to Images Location: C:\Users\Public\Docume	nts\QRlogix\Prin	
		Cancel		

#### EDIT TEMPLATE NAME AND DESCRIPTION

Customize Form	
My Template Slide labels formatted for five lines of free text	

Text input			1
Custom	ize form header		
TITLE	My Template		×
SUBTITLE	Slide labels formatted for five	lines of free text	
14	Cancel	Save	

Template properties		- 🗆 ×	Template	e 1 tted for five lines of free text.	A Options
Customize form	header		Side labels forma	thed for the times of thee texts	
ITLE Tem	plate R B 1		Field 1		
UBTITLE Rese	earch Batch printing template		Field 2		
Printer Selection	) Unhidden		Field 3		
Customize printer op dd or remove printers	otions		Field 4	ESPO Mag	jazine 2
Name		Selected		ESPO Mag	azine 1
G ESPO Read	O Magazine 2 dy		Field 5	Print to Im	ages
Name		Selected			
G ESP	O Magazine 1 dy		Magazine	ESPO Magazine 1	
Name		Selected			1
Prin Loca	t to Images ation: C:\Users\Public\Documents\QRlogix\Prin		Slide	1 To	1
792011	ncel Sa	ve		PRINT	a

#### ADD MAGAZINE SELECTION DROPDOWN (Using printer driver selection)

To print from two different magazines, the ESPO driver must be installed twice in the Control Panel. We suggest naming the installed drives ESPO Magazine 1 and ESPO Magazine 2. The driver for magazine 1 needs to have its driver settings changed to Use Magazine = Magazine 1. See below:

P <u>r</u> operties		
Troubleshoot		
Remo <u>v</u> e device		
Create <u>s</u> hortcut		
Delete print queue	>	
Printer properties	>	ESPO Magazine 2
Printing preferences	>	ESPO Magazine 1
Set <u>a</u> s default printer	>	
See what's printing	>	

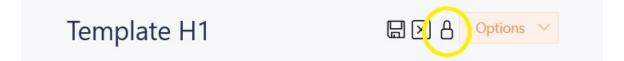
Frost Size ( <u>S</u> )	Frost Siz	ze( 25 × 20 mm)	<u> </u>	
Use Magazine	Magazin	e1	~	
Eject Mode	Mary		×	-
Rotaition				
<b>O</b> 0 ( <u>N</u> )	( <u>e</u> ) 90 (	( <u>B</u> )	○ 270 (J)	
A		V		
Copies ( <u>C</u> )	1 📚			

### SAVE / CLEAR / LOCK Form Fields



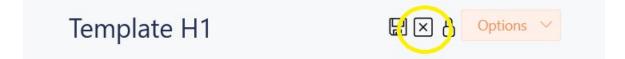
### LOCK/UNLOCK Field Data

Clicking the Lock icon allows users to lock in data that needs to be printed on most slides.



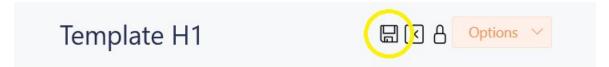
### **CLEAR Field Data**

Click on the Clear icon to clear data out of open firm fields and reset the counters.



### **SAVE Field Data**

Click on the Save icon to save the current data in the open fields so they automatically repopulate with that data after printing. This will also save the current counter values (if the counter fields are unlocked).



### **BARCODE SCANNER SETUP**

From the Customize Template screen, select the barcode reader field.

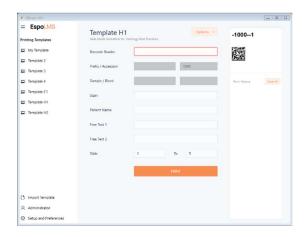
e barcode reader		
S22;1001;A;1		
ons to specify the barcode scanner order		
ield 2 x ; Field 3 x ; Field 4 x		
P		
Cancel	Save	
t	e barcode reader	S22:1001;A:1 ; tons to specify the barcode scanner order Field 2 x ; Field 3 x ; Field 4 x

- 1. Provide a sample scan for reference.
- 2. Define the separator used in your barcode
- 3. Unhide the barcode scanner field, so it shows on the template form
- Select the order in which the data is placed in the form fields, from left to right on the barcode. Use the SKIP option for data that will not be used.
- 5. Save or cancel the selections

Next, lock and edit the form fields for each of the fields selected:

Barcode Reader	S22;1001;A;1			×
Prefix / Accession	S22	8	1001	8
Sample / Block	A	8	1	8

The barcode scanner field will appear on the form, and the corrensponding fields will be locked



#### After scanned barcode

CRiogn UMS						u ©
ESPOLMS	Template H1 Side lebels formatted for	 Histology Best Pract	ices.	Options 😒	S22-1001	-A1-1
My Template	Barcode Reader				100	
Template 2	Prefix / Accession	\$22		1001	医尿道	
Template 3	THEIR / HAREBOAR	1966		1001		
Template 4	Sample / Block	A		1	Print History	Show All
Template C1	Stain					
Template H1						
Template H2	Patient Name					
	Free Text 1					
	Free Text 2					
	Slido	1	То	5		
			PRINT			
Import Template						
R Administrator						
Setup and Preferences						

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Before scanned barcode

### **PRINT SHARE – Connect to LIS**

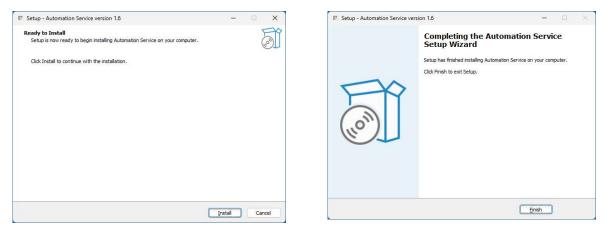
Receive print job from .TXT or .CSV (UTF-8) files through a shared folder.

Using this solution requires that the QRlogix Automation Service is installed and running in the system background. It is recommended that you ONLY install and run this application if you will be printing from .txt or .csv files from a shared folder (file drop).

**IMPORTANT:** The same credentials must be used through all aspects of the installation to avoid network access errors. The main application, the PrintShare service application, and the unlock key must all be installed/activated using the same credentials that access the shared folder.

Begin by downloading the PrintShare service application from the link provided. Once downloaded, double click the AutomationService.exe file to begin the installation process.

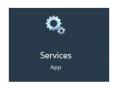
Click through the selections in the installer.



After finishing, the service application will automatically launch and activate itself. You will be prompted to click any key to continue. This will finalize the PrintShare service installation.

C:\WINDOWS\system32\cmd.exe			×
Installing service [SC] CreateService FAILED	1073.		
The specified service alre	ady exists.		
SERVICE_NAME: QRLogixAuton			
ТҮРЕ	: 10 WIN32_OWN_PROCESS		
STATE	: 2 START_PENDING		
	<pre>(NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN) : 0 (0x0)</pre>		
WIN32_EXIT_CODE SERVICE EXIT_CODE			
CHECKPOINT	: 0x0		
WAIT HINT			
PID	: 36532		
FLAGS			
Installing service complet			
Press any key to continue	a a a 👞 C		

Copyright ©2023 PathTelligence LLC To confirm that the Print Share service installed correctly, type "Services" in the Windows search bar, then click on the Services App.



Next, find the QRlogix Automation service in the list, and confirm the status is running. If not, click Start the Service.

Services (Local)					
QRLogixAutomation	Name	Description	Status	Startup Type	Log On As
	Reports Control Pa	This service		Manual	Local Syste
Stop the service Restart the service	Rogram Compatibility Assi	This service	Running	Automatic (	Local Syste
Restart the service	Ryramid Autosub		Running	Automatic	Local Syste
	🥋 QRLogix Automation		Running	Automatic	Local Syste
	Quality Windows Audio Vid	Quality Win		Manual	Local Service
	🥋 Radio Management Service	Radio Mana	Running	Manual	Local Service
	Realtek Audio Universal Ser	Realtek Aud	Running	Automatic	Local Syste

### **PRINT SHARE – Interface Overview**

QRlogix LMS		- 🗆 X
≡ EspoLMS	Print Share	Settings 🖂
∎ On-Demand	-√- Current Status	C Active
	Template: Print Share 1 Location: C:\Users\Public\Documents\QRlogix\Print Share Active since: Aug/22/2022 14:40:36 Sample Print File Data:	
	S22-1234,A1,H&E,DDC,DR JONES	
	Label Preview	
	S22-1234 A1 H&E DDC DR JONES	
h Import Template		
A Administrator		
Setup and Preferences		

Templates = List of Print Share templates

Current status - Indicates if template is actively running in the service application

Template = Name of active template

Location = Shared folder that service application is watching for shared print jobs

Active since = Date and time current solution was activated

Sample Print File Data = Example of print job formatting with sample data. Used to feed label preview Label Preview = Applies the Sample Print File Data against the label settings for the current template Settings = Adjust the shared folder settings, data settings (mapping) and label settings (design format) Active – Turn on/off the current template. Only 1 template can be active at a time

Paste a sample string of data into the Sample Print File Data field. For CSV files, you'll need to separate the sample data with a comma.

### **Print Share Settings**

Print Share	Settings 🗸
-\/- Current Status	Folder Settings
Template: Print Share 1 Location: C:\Users\Public\Documents\QRlogix\Print Share Active since: May/03/2023 12:07:19	Data Settings Label Settings Magazine Setup
Sample Print File Data: S22-1234,A1,H&E,BILLY BOB,DR JONES	

To setup a new Print Share template, first click on Folder Settings from the Options dropdown menu.

### FOLDER SETTINGS

Folder Settin	ac
Folder Settin	ys.
Print folder location	C:\Users\Public\Documents\QRlogix\Print Share
Delete trigger file	No No
Archive Location	C:\Users\Public\Documents\QRlogix\Print History
Cancel	Save

Next, select the shared folder to watch for new print jobs.

Determine if the text files should be deleted after printing or if they should be archived.

If archiving the print job files, select the folder to archive them in.

### DATA SETTINGS

To set what data is mapped from the text file to the label, click on Data Settings in the Options dropdown menu.

#### 

Define the fields from the text file by giving them descriptive names. The name will become the keywords in the label designer.

Make sure you have 1 field for each data container being used.

Define the separator. I.E. = ","

Select the FIELD ORDER so it matches the sequence of data in the text file that is sent over.

Save the settings.

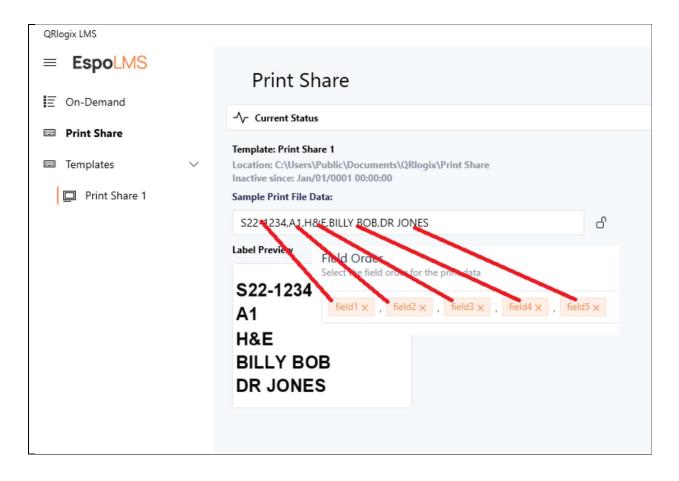
Data Settings		
Fields		
Name	Keyword	
prefix	@prefix@	Remove
Name	Keyword	
	@accession@	Remove
+ Add Field Document Content Format	@accession@	Kentove
+ Add Field Document Content Format	@accession@	Kentove
Add Field Document Content Format Separator Field Order	@accession@	Reinuve
+ Add Field Document Content Format	@accession@	Anilyze

#### Field Order

Make sure the Field Order matches the order in which the data containers are placed in the sample text file:

Text file data: S22-1234,A1,H&E,BILLY BOB,DR JONES

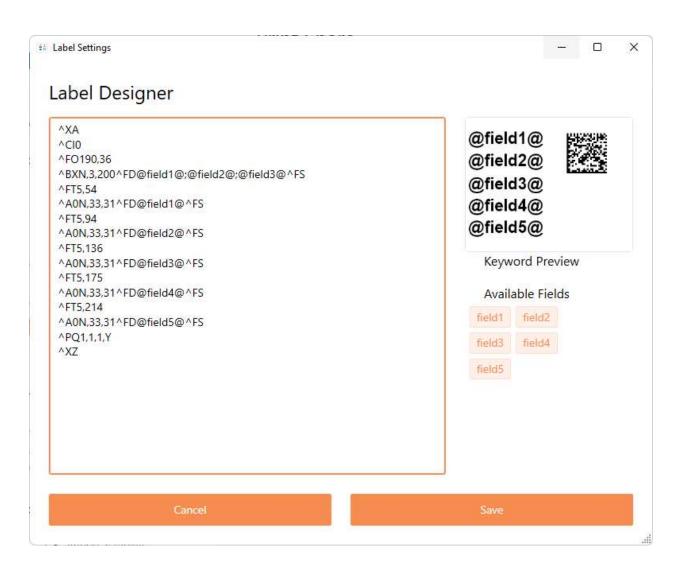
S22-1234	A1	H&E	BILLY BOB	DR JONES
Field 1	Field 2	Field 3	Field 4	Field 5



Once the field order is confirmed to match the order of the data containers in the text files (print jobs), save the settings and proceed to Label Settings.

### LABEL SETTINGS

Using the Available Fields, just created in Data Settings, follow the instructions in the Label Designer section below to create and format your label.



For more detailed instructions on label design, please reference the LABEL DESIGNER instructions. We also recommend printing a copy of the Label Designer Cheat Sheet.

Once the label design is complete, save the data and proceed to the main Print Share screen.

### Magazine Selection (Printer Driver Selection)

Print jobs sent to the shared folder can define which printer to print to.

Magaz	ine Sel	ection Setup		
Assign a Nove up o		ier to each magazine for LIS print job agazines		
ld	Name			
1	Ø	ESPO Magazine 2 Ready		
lo	Name			
2	¢	ESPO Magazine 1 Ready		
lo	Name			
3	Ŀ	Print to Images Location: C:\Users\Public\Documents\QF	•••• Rlogix\F	
		Cancel	Save	

The magazine ID show above is included in the text file containing the print job.

The Field Settings (order) needs to match the text file formatting.

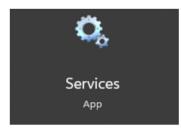
522-1234,	A1,H&E,BILLY BOB,DR JONE,1	
Document (	Content Format	
Separator	21	
Field Order Select the field of	order for the print data	
field 1 $\times$ ,	field2 $\times$ , field3 $\times$ , field4 $\times$ , field5 $\times$ ,	Magazine ×
	Cancel	Save

### **Launching Print Share**

On the Print Share screen, copy and paste actual print file text string into the Sample Print File Data field as shown below:

If the label order and format look correct in the label preview, then the Print Share template settings should be correct.

Next, confirm that Print Share is currently running as a service by going to your Windows search bar and typing in "Services". Next, click the Services App to open it up.



In the Services App, Scroll to QRlogixAutomation and confirm that Status is "Running".

O Services (Local)					
QRLogixAutomation	Name	Description	Status	Startup Type	Lc
	RrintWorkflowUserSvc_95848	Provides su	Running	Manual (Trig	Lc
Stop the service	Rroblem Reports Control Pa	This service	-	Manual	Lc
Restart the service	🔍 Program Compatibility Assi	This service	Running	Automatic (	Lc
	Pyramid Autosub		Renning	Automatic	Lc
	QRLogixAutomation		Running	Automatic	Lo
	Quality Windows Audio Vid	Quality Win		Manual	Lc
	Radio Management Service	Radio Mana	Running	Manual	Lc
	Realtek Audio Universal Ser	Realtek Aud	Running	Automatic	Lc
	Depltok Plustooth Device M		Pupping	Automatic	10

If the service is not running, click the Start button to launch it.

If you do not see the QRlogixAutomation service listed, please make sure the file was downloaded and installed correctly. Contact QRlogix for assistance.

One the Print Share service is confirmed to be running, you will need to activate the Print Share template on the main screen:



You should now be able to print from LIS by accepting print jobs as text files that are sent to the shared folder.

#### **Test Print**

You can test print using Print Share 1 Template. Locate the SAMPLE PRINT.txt (text) file located in the following folder: C:\Users\Public\Documents\QRlogix\Print History

Drop the SAMPLE PRINT.TXT file into the following shared folder with the system active: C:\Users\Public\Documents\QRlogix\Print Share

Folder Settin	as.
rolder Settin	95
Print folder location	C:\Users\Public\Documents\QRlogix\Print Share
Delete trigger file	• No
Archive Location	C:\Users\Public\Documents\QRlogix\Print History
Cancel	Save

×

@field1@

@field2@ @field3@ @field4@ @field5@ Keyword Pre Available Fields

## **QRIogix LABEL DESIGNER**

Understanding QRlogix Design Code

The QRlogix Label Designer uses programming code to easily create labels. This allows us to efficiently change font size and the position of objects on the label, as well as add barcodes and static text.

Don't worry! You don't need to know anything about programming to quickly learn how to design and edit labels. You only need to understand how to change the font size, and how to position label elements.

@:@field3@^FS

B2615 RODENT

LT VENTRICAL

DB21-1233

10/10/22

We strongly recommend, first watching the LMS Label Designer Video Tutorials at the following webpage (login required):

https://QRlogix.com/pages/Ims-label-designer

	ee Text Label	Op	tions $\vee$	E Label Designer
Slide labels form	atted for five lines of free text.			Label Designer
Text 1				^XA
Text 2				^CI0 ^FT5,50 ^A0N,33,31^FD@text10
Text 3				^FT5,90 ^A0N,33,31^FD@text2 ^FT5,130
Text 4				^A0N,33,31^FD@text3 ^FT5,170 ^A0N,33,31^FD@text4
Text 5				^FT5,210 ^A0N,33,31^FD@text5 ^PQ1,1,1,Y
Slide	1	To 1		^XZ
		PRINT		
				Cancel
Print St	hare			zi Label Settings
Print Sł				<sup>32</sup> Label Settings Label Designer
<ul> <li>Current Statu</li> <li>mplate: Print Shata</li> <li>cation: C:\Users\</li> <li>tive since: Aug/a</li> </ul>	s are 1 Public\Documents\QRIogix\Pri 22/2022 14:40:36	int Share		Label Designer           ^XA           ^CID           ^FTS-54           ^AGN.33.31^FD@field1@^FS           ^FTS-54           ^AGN.33.31^FD@field2@^FS           ^FTS-54
Current Statu mplate: Print Shi cation: C:\Users\ tive since: Aug/2 mple Print File D 522-1234,A1,H0	s are 1 Public\Documents\QRIogix\Pri 22/2022 14:40:36	nt Share	۵	Label Designer *AA *A00 *FT554 *A001331*FD8Held10*F5 *A001331*FD8Held20*F5 *A001331*FD8Held20*F5 *A001331*FD8Held20*F5 *FT514
← Current Statu mplate: Print Sha cation: C:\Users\ tive since: Aug/a mple Print File D	s are 1 Public/Documents/QRlogis/Pri i2/2022 14:40:36 State: SEE DDC: DR. JONES	int Share	۵	Label Designer

Label Designer allows users to move label objects (content containers) to different positions on the label. We can also increase or decrease the font size (height and width) and even add static content that is not part of the template form.

The following example of label design code, shows color coded commands we use to move and resize the label objects. The items highlighted in green move the objects from left to right on the label canvas. The items highlighted in blue move the objects up and down on the label. The items highlighted in red increase or decrease the font size, and can be separated to individually control font height and font width.

GREEN = Left/right positioning based on X axis (horizontal) BLUE = Up/down positioning based on Y axis (vertical) RED = Font Size (font height, font width)

^XA ^CI0 ^FT5,50 ^A0N,33,31^FD@text1@^FS ^FT5,90 ^A0N,33,31^FD@text2@^FS ^FT5,130 ^A0N,33,31^FD@text3@^FS ^FT5,170 ^A0N,33,31^FD@text4@^FS ^FT5,210 ^A0N,33,31^FD@text5@^FS ^PQ1,1,1,Y ^XZ

^FT (or ^FO) define where the object is placed on the label and ^AON defines the font, as detailed below.

#### LABEL DESIGN CODE

It is a requirement that all label code begin with ^XA, and end with ^XZ. Generally, ^CIO (defines font) will follow ^XA at the top in this format: ^XA ^CIO

#### X-Y AXIS LOGIC

The QRlogix Label Designer uses X-Y axis logic, where X is horizontal, and Y is vertical. With a 1" x 1" label canvas and a 300-dpi printer, the label area would contain 300 dots down and 300 dots from left to right. An X-Y value of 0,0 is the very top left corner of the 1" label canvas. An X-Y value of 150/150 would be the center of the 1" x 1" label canvas.

#### **OBJECT PLACEMENT ON LABEL**

Copyright ©2023 PathTelligence LLC Using ^FT or ^FO

Field Typeset command = ^FT Object positioned down from that point on canvas Field Origin command = ^FO Object positioned up from that point on canvas

^FT5,50 ^FO5,50

The ^FT (field typeset) command sets the data's placement on the label using X-Y axis logic. In the example below, ^FT5,50 places the data 5 dots to the right of the label edge, and 50 dots down from the top. Because it us ^FT (and not ^FO) the object extends DOWN from that point. Whereas, if it was ^FO5,50, the object would extend UP from that point on the canvas.

The example below shows the NAME object placed on the label using ^FO and ^FT using the exact same values. ^FT extends down, and ^FO extends up:



The data that is being placed inside the Field Typeset needs to be defined. First, the ^AON commands define the font and orientation as normal.

^A0N,33,31

The first value (33) is FONT HEIGHT, and the second value (31) is FONT WIDTH. An increase in the number equites to an increase in the font height or width.

If both values are the same, they can be replaced with just 1 value as shown below:

^AON,31

For the example above, both the font height and the font width equal 31.

The ^FS command denotes the end of the field definition. It is required at the end of each label object.

^FT5,50 ^A0N,33,31^FD@text1@@<mark>^FS</mark>

The above string contains all the information needed to place the contents of Text 1 from the form in the correct position on the label.

Below, is a breakdown of how form field Text 2 looks using the code format we just reviewed:

^FT5,90 ^A0N,33,31^FD@text2@^FS

For Text 2 above, notice the X axis is 5, just like Text 1. That's because they both start with the same placement from the side of the label. Whereas the value for Y axis is 90 (compared to 50 with Text 1). That's because the data for Field 2 needs to be far enough below the data for field one, that it doesn't overlap.

^FT5,<mark>50</mark> ^A0N,33,31^FD@text1@^FS ^FT5,<mark>90</mark> ^A0N,33,31^FD@text2@^FS

Notice the trend below. They Y values increase by 40 for each line on the slide, giving the data equal distance apart from each other.

^FT5,50
^A0N,33,31^FD@text1@^FS
^FT5,90
^A0N,33,31^FD@text2@^FS
^FT5,130
^A0N,33,31^FD@text3@^FS
^FT5,170
^A0N,33,31^FD@text4@^FS
^FT5,210
^A0N,33,31^FD@text5@^FS

You can move the above fields as needed to design the best label for your needs.

#### ADDING PERMANENT TEXT TO A SLIDE

The below example shows how permanent text of "Animal Research" is added to every slide that gets printed from this template.

To add permanent static text to a label, "Animal Research", use the following code:

^FDAnimal Research^FS

With permanent text added	Without permanent text
B2615 -1 RODENT LT VENTRICAL DB21-1233 Animal Research	B2615 -1 RODENT LT VENTRICAL DB21-1233
^XA ^CIO ^FT5,50 ^AON,33,31^FD@text1@ -@slide2@^FS ^FT5,90 ^AON,33,31^FD@text2@^FS ^FT5,130 ^AON,33,31^FD@text3@^FS ^FT5,170 ^AON,33,31^FD@text4@^FS ^FT5,210 ^AON,33,31^FDAnimal Research^FS ^PQ1,1,1,Y ^XZ	^XA ^CIO ^FT5,50 ^AON,33,31^FD@text1@ -@slide2@^FS ^FT5,90 ^AON,33,31^FD@text2@^FS ^FT5,130 ^AON,33,31^FD@text3@^FS ^FT5,170 ^AON,33,31^FD@text4@^FS ^PQ1,1,1,Y ^XZ

#### ADDING A BARCODE TO THE LABEL

To add a barcode, you will need to arrange a place on the label canvas where it can fit, and then embed the correct code.

Code for Data Matrix Barcode:

^FT5,185

^BXN,4,200^FD@text1@;@slide2@^FS

Code for a QR Code Barcode:

#### ^FT5,185

^BQN,2,3,H,5^FD@text1@;@slide2@^FS

CODE FOR DATA MATRIX BARCODE	CODE FOR QR CODE BARCODE
Label Designer	X Label Designer X
Label Designer	Label Designer
11125,150	DENT         AFT125,130         Image: Constraint of the state of th
^XA	^XA
^CI0	^CI0
^FT5,50	^FT5,50
^A0N,33,31^FD@text1@ -@slide2@^F5	S ^A0N,33,31^FD@text1@ -@slide2@^FS
^FT125,130	^FT125,130
^A0N,33,31^FD@text2@^FS	^A0N,33,31^FD@text2@^FS
^FT5,90	^FT5,90
^A0N,33,31^FD@text3@^FS	^A0N,33,31^FD@text3@^FS
^FT125,170	^FT125,170
^A0N,33,31^FD@text4@^FS	^A0N,33,31^FD@text4@^FS
^FT125,210	^FT125,210
^A0N,33,31^FD@text5@^FS	^A0N,33,31^FD@text5@^FS
^FT5,115	^FT5,115
^BXN,4,200^FD@text1@;@slide2@^FS	
^PQ1,1,1,Y	^PQ1,1,1,Y
^XZ	^XZ

The contents of the barcode are defined as show below in green:

^BQN,2,3,H,5^FD<mark>@text1@;@slide2@</mark>^FS

If you want to add data to the barcode, using the example above, position the desired data keywords in the barcode as shown below in grey:

^BQN,2,3,H,5^FD@text1@;@text2@;@text3@;@text4@;@slide2@^FS

For the examples above, scanning the barcode would generate the following:

B2615;LT VENTRICAL;RODENT;DB21-1233;1

#### Label Design Features available for On-demand Printing

ADDING CURRENT DATE

@date1@ = 05/03/2023 @date2@ = 2023-05-03 @date3@ = 03-May-2023 @date4@ = 03-May-23

Curerent date can be added to a slide label by embedding a command in the label design code.

First, determins where you want to place the date, and what size text you wantt to use. Then use the command and logic shown below to add the ffeature.

^FT5,200 ^A0N,20^FD<mark>@date1@</mark>^FS

Label	Designer
-------	----------

XA
^CI0
^FT8,46
^A0N,33,33^FD@prefix@-@accession@-@sample@@block@-@slide1@^FS
^FO15,110
^BXN,3,200^FD@prefix@;@accession@;@name@^FS
^FT5,200
^A0N.20^ED@date1@^ES



#### SEQUENTAIL PRINTING and DUPLICATE PRINTING

Sequentially printed microscope slides

Most templates are setup to offer sequential printing of microscope slides, where a range of slide prints is selected. For example, if you need to print 3 slides for a histology case, you setup the slide selection as shown below:

Slide	1	То	3	
		PRINT		

We include sequential number printing by adding the following to the code, -@slide2@^, as seen below:

```
^FD@text1@^FS = No sequential numbering
Example = S21-1234
```

```
^FD@text1@<mark>-@slide2@^</mark>FS= With Sequential Numbering
Example = S22-1000-A1-1, S21-1000-A1-2, S21-1000-A1-3
```

The "-" shown before the @ is static text.

If each microscope slide is to be labeled sequentially, the Label Designer code must include the @slide2@ command.

```
^AON,33,31^FD@text1@-<mark>@slide2@</mark>^FS
```

It's important to note that if you want fixed text to separate data fields, it would be placed in the code as highlighted below. The fixed data is placed between the "@" symbols:

^AON,33,31^FD@text1@<mark>-</mark>@slide2@^FS

The result is the -1, -2, -3 at the end of the top lines below:



#### **DUPLICATE PRINTS**

If you do not want slide numbers (for sequentially printed slides) on your slide labels the @slide2@ parameter needs to be excluded from code:

B2615	B2615	B2615
RODENT	RODENT	RODENT
LT VENTRICAL	LT VENTRICAL	LT VENTRICAL
DB21-1233	DB21-1233	DB21-1233
10/10/22	10/10/22	10/10/22

Label WITH sequential numbering: ^A0N,33,31^FD@text1@-@slide2@^FS Label WITHOUT sequential numbering: ^A0N,33,31^FD@text1@FS

Label WITH sequential numbering	Label WITHOUT sequential numbering		
S22-1000-A1-3	S22-1000-A1		
PATIENT NAME	PATIENT NAME		
H&E	H&E		
DRJ	DRJ		
1/5/22	1/5/22		
Not used for DUPLICATE printing	Used for DUPLICATE printing		

Contact QRlogix for help or assistance with your label design.