



Lexmark™

# Bar Code Discovery

Version 5.2

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## User's Guide

March 2020

[www.lexmark.com](http://www.lexmark.com)

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# Contents

- Change history..... 3**
- Overview..... 4**
- Optimizing bar code detection.....5**
- Using the application..... 6**
  - Adding a bar code template..... 6
- Troubleshooting..... 8**
  - Cannot recognize bar codes..... 8
- Notices.....9**
- Index.....10**

# Change history

## March 2020

- Updated software version.

## April 2018

- Updated information on adding bar code templates.

## August 2017

- Added information on supported paper sizes for locating bar codes automatically.

## September 2016

- Removed information on license requirement.

## January 2016

- Initial document release for multifunction products with a tablet-like touch-screen display.

# Overview

Use the application to create and manage bar code templates to specify the location and type of bar code that users frequently scan. Other applications (such as Solution Composer) can access these templates to reduce the time it takes to scan and identify bar codes on a document.

This document provides instructions on how to use and troubleshoot the application.

## Supported bar code types

- Code 11
- Code 32
- Code 39
- Code 93
- Code 128
- Codabar
- Data Matrix
- EAN-8
- EAN-8 plus 2
- EAN-8 plus 5
- EAN-13
- EAN-13 plus 2
- EAN-13 plus 5
- Interleaved 2 of 5
- ITF-14
- Patch Code
- PDF 417
- PLANET
- POSTNET
- QR Code
- RM4SCC
- RSS-14
- RSS Limited
- Telepen
- UPC-A
- UPC-A plus 2
- UPC-A plus 5
- UPC-E
- UPC-E plus 2
- UPC-E plus 5

# Optimizing bar code detection

## Tips on scanning bar codes

- When scanning one-dimensional bar codes, position them horizontally to match the linear scaling of the bars.
- If patterns of text and specks are detected erroneously as bar codes, then you can ignore those areas or rescan the page.
- If the bar code is skewed on the page, then position the page so that the bar code is aligned horizontally or vertically with the scanner.

## Tips on designing bar codes

- Increase the bar code font size to a more readable size.
- Know the type, resolution, orientation, placement, and number of bar codes on a document.
- Establish a clear area around the bar code to prevent patterns of text and specks from appearing as bar codes.
- Make sure that there is enough contrast between the bar code and the color of the material that you are printing on.
- Make sure that asterisks appear before and after the bar code characters. Asterisks are used as start and stop characters for most linear bar codes.

# Using the application

## Adding a bar code template

1 Load the document into the automatic document feeder tray or on the scanner glass.

**Note:** For more information, see the printer *User's Guide*.

2 From the home screen, touch **Bar Code Discovery > Add Template**.

3 Do either of the following:

### Locate bar codes automatically

Touch **Automatically > Scan**.

#### Notes:

- This option searches only for the following bar code types: Code 128, Code 39, EAN-13, EAN-8, UPC-E, Data Matrix, and PDF 417.
- This option recognizes bar code types on A3- and legal-size paper. If you are not using an A3- or legal-size paper, or if the bar code cannot be recognized automatically, then locate bar codes manually.

### Locate bar codes manually

a Touch **Manually**.

b Select the paper size and orientation.

c Touch **Scan**.

d From the scan preview, select one or more areas where the bar code appears.

e Do either of the following:

- If you know the bar code type, then touch **Specific Bar Code Types**, and then select the type from the list.
- If you do not know the bar code type, then touch **All Bar Code Types**.

f Touch **Next**.

4 Customize the bar code template. You can type a bar code name, set a delimiter, or assign field names.

#### Notes:

- Pi is the only special character that you can use.
- A delimiter is a character that separates pieces of information within bar codes, such as first and last names.
- To set a delimiter and assign field names, set Multiple Fields to **On**.

5 Touch **Create Template**, and then type a unique template name.

6 Touch **OK**.

#### Notes:

- The application uses the bar codes found on the first page only.
- To view the template information, touch the bar code template.

- To delete a template, touch  beside it.

# Troubleshooting

## Cannot recognize bar codes

Try one or more of the following:

### **Make sure that the bar code type is supported**

For more information, see [“Supported bar code types” on page 4](#).

### **Make sure that the bar code is selected on the scan preview**

If you select only a part of the bar code, then it may be classified as a different bar code type or may not be recognized.

### **Make sure that the bar code is aligned horizontally or vertically with the scanner**

### **Locate bar codes manually**

The application can automatically recognize bar code types on A3- and legal-size paper only. For more information, see [“Adding a bar code template” on page 6](#).



# Notices

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# Index

## A

adding bar code templates 6

## B

bar code detection

optimizing 5

bar code templates

adding 6

bar code types

supported 4

bar codes

designing 5

locating 6

scanning 5

## C

cannot recognize bar codes 8

change history 3

## D

designing bar codes

tips 5

## L

locating bar codes

automatically 6

locating bar codes manually 6

## O

optimizing bar code detection 5

overview 4

## S

scanning bar codes

tips 5

supported bar code types 4

## T

template information

viewing 6

tips

designing bar codes 5

scanning bar codes 5

troubleshooting

cannot recognize bar codes 8

## V

viewing template information 6