



ArtFlex QR+DataMatrix User Guide

ArtFlex QR+DataMatrix - User Guide



Content:	Installers And Licensing	3
	Installation	3
	Unlicensed Mode	3
	Activation Process	3
	Using Presets	4
	QR Code Panel Interface	5
	DataMatrix Code Panel Interface	5
	Description Of Selected Features	5
	Taggings	6
	Text Tagging	6
	URL Tagging	6
	vCard Tagging	7
	SMS Tagging	7
	Phone Call Tagging	8
	Email Tagging	8
	Geolocation Tagging	9
	Event Tagging	9
	WiFi Tagging	10

ArtFlex QR+DataMatrix - User Guide



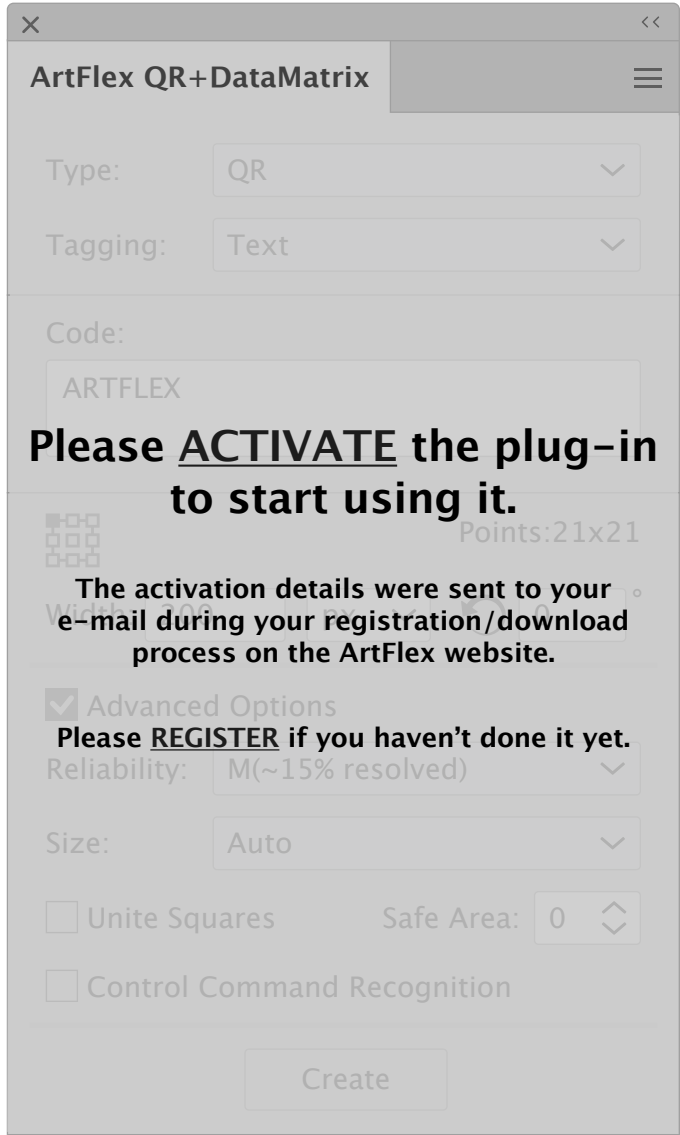
Installers And Licensing

You can obtain the plug-in installers and licenses on [artflex.software](https://www.artflex.software) website.
Getting a trial license - Register on: <https://www.artflex.software/en/download>
The trial license with instructions will be sent to your email. It enables all plug-in functions for 21 days.
Purchasing a full license - Go to: <https://artflex.software/en/eshop>
The website will guide you through the easy purchasing procedure.

Installation

Please run the Installer downloaded from [artflex.software](https://www.artflex.software) website. It will detect the compatible Illustrator applications and install the plug-in in appropriate folders. The plug-in can be installed on both macOS and Windows systems and is always compatible with the latest and previous versions of Adobe Illustrator.

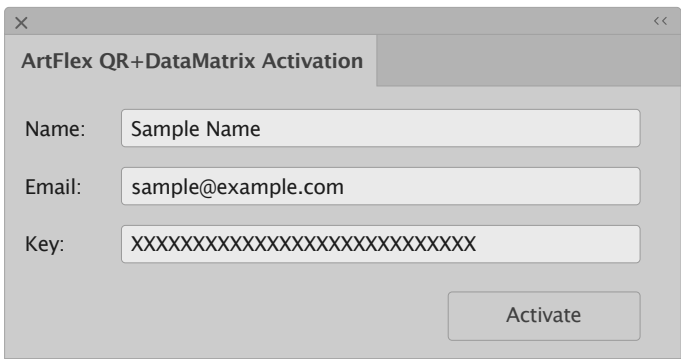
Unlicensed Mode



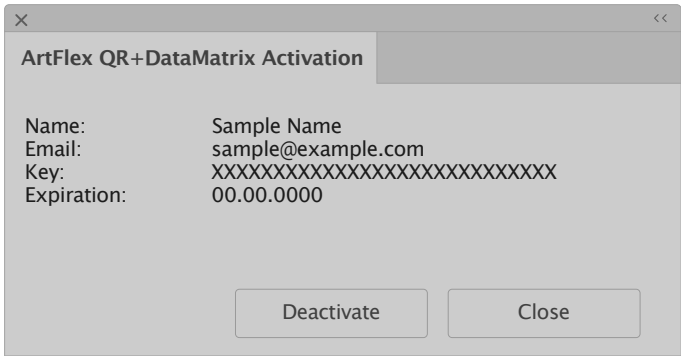
Opening the plug-in panel
After the installation please launch your Adobe Illustrator. The plug-in is located under Window -> ArtFlex -> ArtFlex QR+DataMatrix.

Unlicensed plug-in mode
The plugin opens in Unlicensed mode right after the installation. Use your Trial or Full license to unlock all plugin functionalities. Click on the ACTIVATE text to start the activation process.

Activation Process



- License activation process**
- 1) Click on the ACTIVATE text in the Unlicensed plugin panel to start the activation process. It will open the Activation window.
 - 2) In the Activation window fill out the Name, E-mail and license Key you have received by email.
 - 3) Press the Activate button and wait until the license is validated.
 - 4) Activation is processed the moment that license expiration date and Deactivate button appear in the Activation window.



- License deactivation process**
- 1) Press the Deactivate button in the Activation window.
 - 2) The plug-in will start the deactivation process.
 - 3) After a successful deactivation the plug-in will switch to Unlicensed mode.

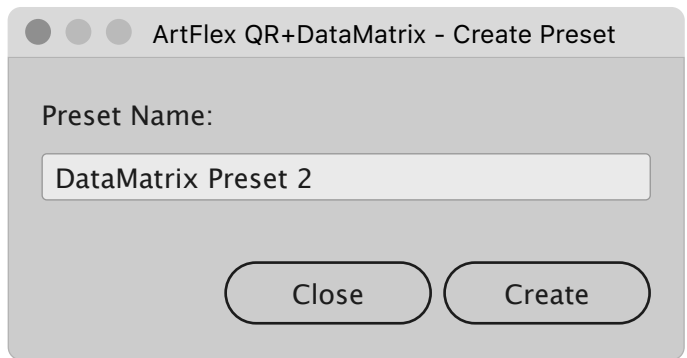
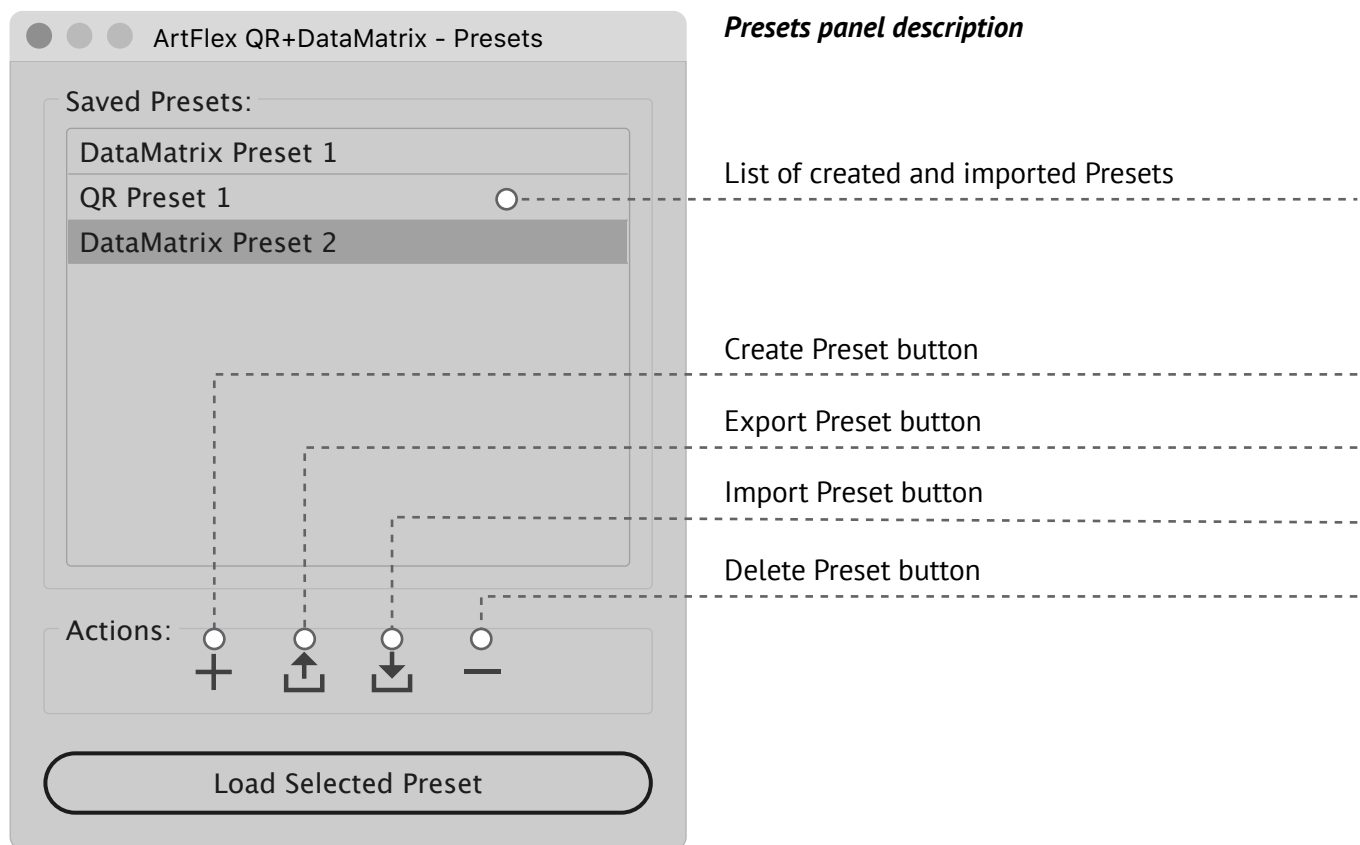
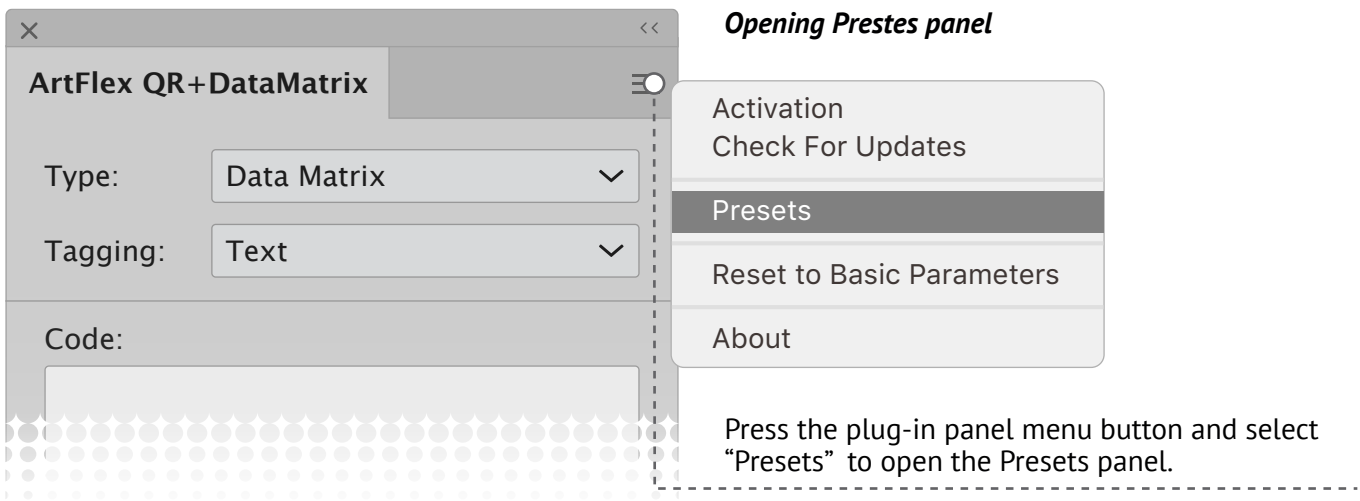
Good to know

An internet connection is required to activate the plug-in. As the plug-in periodically checks the license validity, we recommend you use a permanent internet connection. The plug-in can also work offline, but it will automatically switch to Unlicensed Mode after a period without an internet connection. If you cannot use your license (e.g. because of a broken workstation) please contact us at <https://artflex.software/en/support>. We can deactivate the old license and issue a new one.

ArtFlex QR+DataMatrix - User Guide

Using Presets

Users can save the QR or DataMatrix specification to Presets. Preset contains values specified in the main Artflex QR+DataMatrix plug-in panel. If you use some codes frequently, save them as Presets. Using Presets can significantly speed up code creation while maintaining consistency.



Creating a Preset

- 1) Press the Create Preset button in the Presets panel. It opens the Create Preset window.
- 2) Type the name of the preset.
- 4) Press the Create button.
- 5) The new Preset appears in the List of presets in the Presets panel.

Exporting a Preset (Preset group)

- 1) Select a preset in the Presets panel (Preset group can be selected by holding cmd key in macOS or ctrl key in Windows).
- 2) Press the Export Presets button. It will open the export dialog window.
- 3) Type the name of the Preset (Preset group).
- 4) Select a folder where you want to save the Preset (Preset group) and click on Save.
- 5) The Preset (Preset group) file is saved in the selected folder.

Importing a Preset (Preset group)

- 1) Press the Import Preset button. It will open the import dialog window.
- 2) Select a Preset or Preset group you wish to import and click on Open.
- 3) The new Preset(s) appear in your list of presets in the Presets panel.

Loading a Preset to the plug-in panel and creating code

- 1) In the List of presets select the Preset you wish to use and click on the Load button. The Preset can be also loaded by double clicking on the Preset name.
- 2) The plug-in reads the Preset content and displays the new settings immediately in the main plug-in panel.
- 3) Create the code by clicking on the Create button

ArtFlex QR+DataMatrix - User Guide

QR Code Panel Interface

Type - Contains a list of available 2D code types.

Tagging - List of available mobile taggings. Data read from tags activates specific functions on mobile devices. See the Code Taggings on next pages.

Tagging options - Space for tagging settings. Each tagging has different settings. See the Code Taggings on next pages.

Magnification Reference Points - Indicates fixed point for 2D code scaling.

Points - Displays number of squares (basic dimensional modules) counted vertically and horizontally.

Rotation - Changes the rotation of 2D code.

Width - Changes width of 2D code in selected units.

Reliability - Sets QR code error correction level. See the right page for details.

Size - Specifies the number of squares (basic dimensional modules). See the right page for details.

Safe Area - Marks zone where no other design should be placed. Helps to improve scannability.

Unite Squares - Merges squares to reduce the amount of shapes. See the right side of this page for details.

Control Command Recognition - Option to add control characters to 2D code. See the right page for details.

Create Button - Generates 2D code based on values specified in the plug-in panel.

Description Of Selected Features

Reliability (error correction level)

The QR and DataMatrix codes are scannable even when part of them is damaged or removed.

There are 4 different QR code error correction levels:

Level L – up to 7% damage

Level M – up to 15% damage - this is the default option used by the plug-in

Level Q – up to 25% damage

Level H – up to 30% damage

The error correction level of DataMatrix codes is automatically determined by the symbol size and data capacity. Unlike QR codes, they cannot be freely specified.

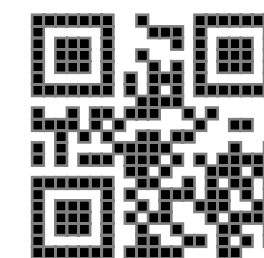
Size

The QR and DataMatrix size is counted as the number of horizontal and vertical squares (basic dimensional modules). The size depends on the number of encoded characters. We recommend using the Auto option which selects automatically the smallest possible size, however, the size can also be specified manually. If the manually selected size is not sufficient for the number of encoded characters it will not be possible to create the code.

Unite Squares

This function merges squares (basic dimensional modules) to the reduced amount of more complex shapes. This can be useful for further graphic processing in Adobe Illustrator. The QR codes on the right side contain intentionally highlighted basic segments showing impact of the Unite Square function.

Unite Squares off



Unite Squares on



Control Command Recognition

This option lets you insert control characters to QR or DataMatrix code. Control characters do not represent written symbols.

To use this function please do the following: 1) Tick on the Control Command Recognition option 2) Do secondary (or right) click on the code input field 3) Select "Control Characters" from the local menu



This code will show encoded text in two lines because the Line Feed (LF) control character was included.

Result of scanning: ARTFLEX
SOFTWARE

DataMatrix Code Panel Interface

The interface of the DataMatrix code plug-in panel is almost identical to the QR code panel. There are only two differences: 1) The code Reliability option is not present 2) Shape option is added

Shape - Assigns squared or rectangular pattern to DataMatrix code.

ArtFlex QR+DataMatrix - User Guide



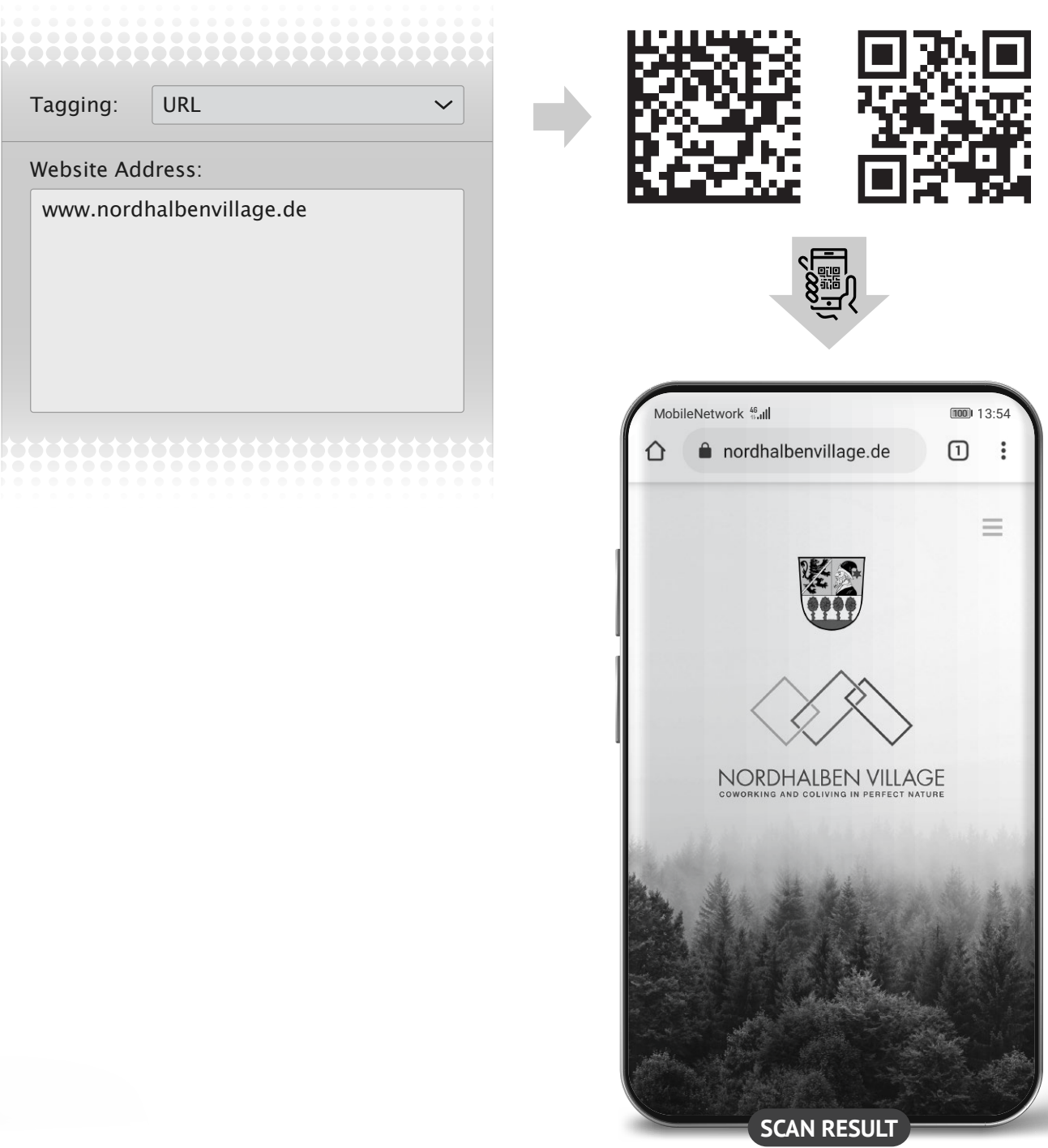
Taggings

Taggings add special tags to the QR code. Data read from the tags activates specific functions on mobile devices. There are 9 different tagging options available in the plug-in: Text, URL, vCard, SMS, Phone Call, Email, Geolocation, Event, WiFi. Each tagging has its own interface and settings described below.

Text Tagging



URL Tagging



ArtFlex QR+DataMatrix - User Guide



Taggings

vCard Tagging

Tagging: vCard

First Name: Joe

Last Name: Developer

Company: ArtFlex Software GmbH

Title: Coder

Phone: +491234567890

Phone:

Email: joe.developer@artflex.software

Website: artflex.software

Address: Kronacher Straße 9

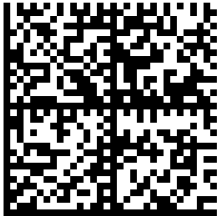
City: Nordhalben

State:

Zip Code: 96365

Country: Germany

Note:





MobileNetwork 13:54

← Joe Developer
ArtFlex Software GmbH
Coder

Details Call log

+491234567890
Work

joe.developer@artflex.software
Work

artflex.software
Website

Kronacher Straße 9, Nordhalben, 96365,
Germany
Work

Favourite Edit More

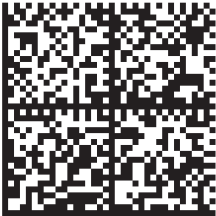
SCAN RESULT

SMS Tagging

Tagging: SMS

Phone Number: +491234567890

Text: This is an SMS generated by Artflex QR+DataMatrix plug-in.





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← New message

Recipient: +491234567890

This is an SMS generated by Artflex QR+DataMatrix plug-in.

101 / 1

SCAN RESULT

ArtFlex QR+DataMatrix - User Guide



Taggings

Phone Call Tagging



Email Tagging



ArtFlex QR+DataMatrix - User Guide



Taggings

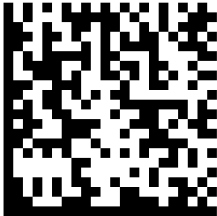
Geolocation Tagging

Tagging: Geolocation

Latitude: 50.37327659741188

Longitude: 11.509633660587472

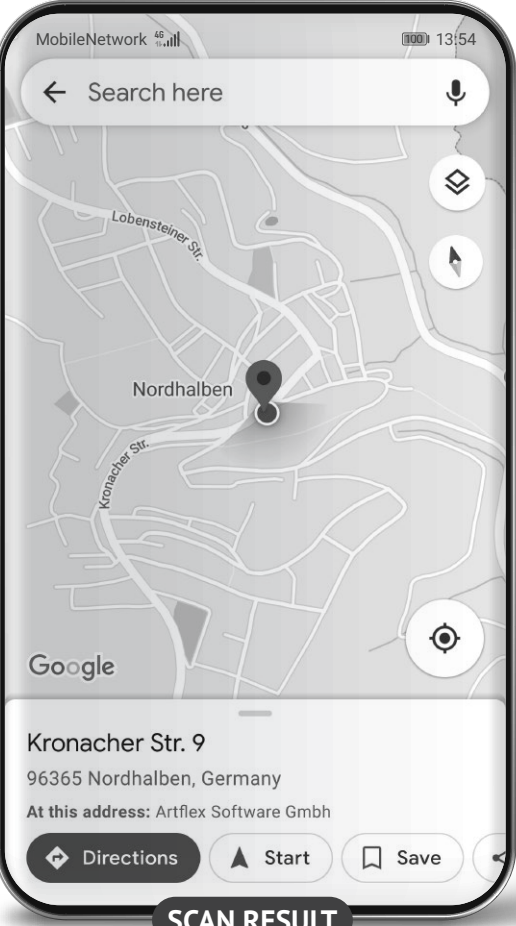
Make secondary (right) click in Google Maps to pick up coordinates and paste the to one of the fields above.





MobileNetwork 13:54

Search here



Kronacher Str. 9
96365 Nordhalben, Germany
At this address: Artflex Software GmbH

Directions Start Save

SCAN RESULT

Event Tagging

Tagging: Event

Event title: Daily Meeting

From: 2021/04/15 10:00

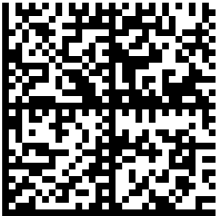
To: 2021/04/15 10:30

Timezone: Local

☐ All Day Event

Description:

Location:





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15 April 2021

Month Week Day Schedule

MON	TUE	WED	THU	FRI	SAT	SUN
12	13	14	15	16	17	18
07						
08						
09						
10	Daily Meeting					
11						
12						
13						
14						
15						
16						
17						
18						

+

SCAN RESULT

ArtFlex QR+DataMatrix - User Guide



Taggings

WiFi Tagging





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