Manuals+ — User Manuals Simplified.

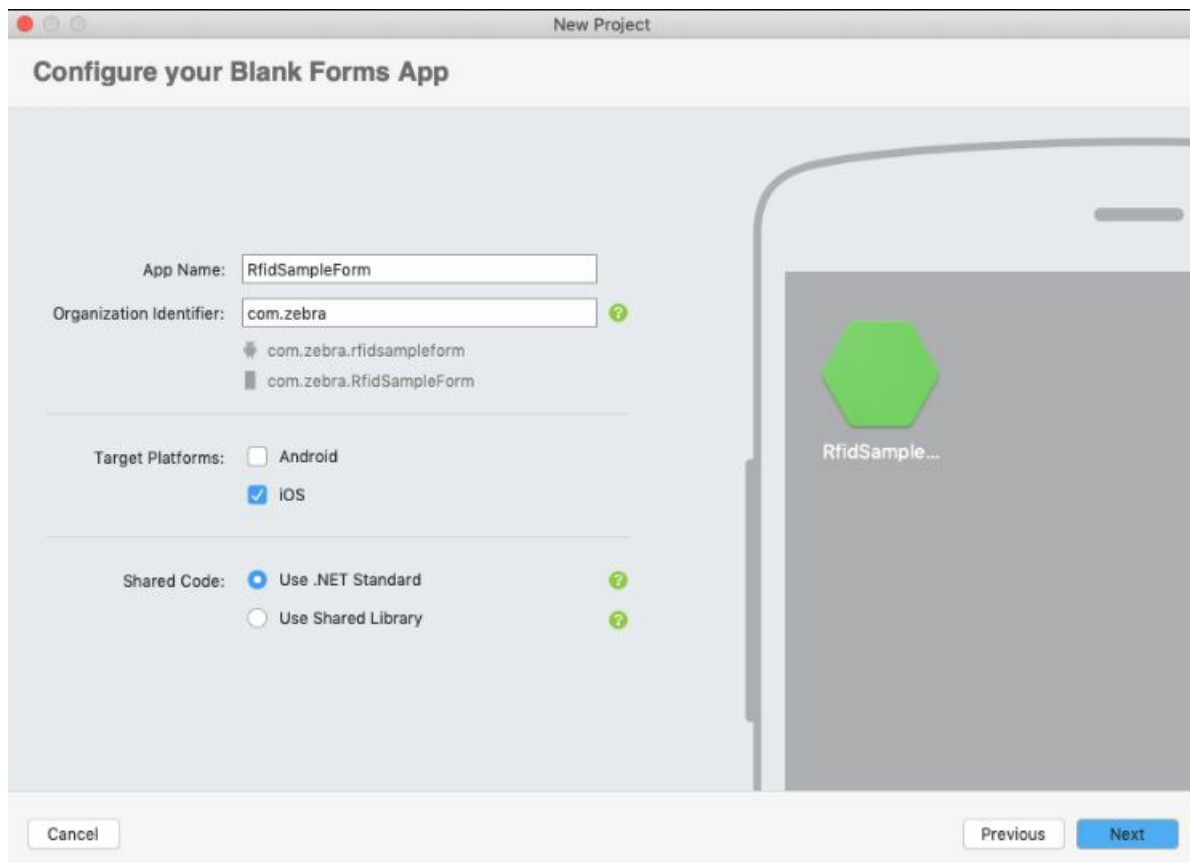# ZEBRA RFID SDK for Xamarin iOS Software Instructions

Contents

ZEBRA RFID SDK for Xamarin iOS Software

Specifications

- Product Name: RFID SDK for Xamarin (iOS)
- Version: v1.0
- Release Date: November 2023

Overview

The Zebra RFID SDK for Xamarin enables developers to build native applications that can connect and control Zebra RFID readers over a Bluetooth connection on iOS devices. It allows developers to write code in C# that can be shared across multiple platforms. The SDK provides the following functionality:

1. Discover, connect, and disconnect readers
2. Perform basic inventory (start, stop inventory with relevant

   notifications)
3. Barcode reading

Device Compatibility

For a list of compatible devices, please visit the following page: **Zebra RFID SDK for Xamarin – Device Compatibility**

Version History

- Region Settings
- General bug fixes and stability improvements

- Firmware Update
- General bug fixes and stability improvements

Features

1. Trigger Mapping
2. Tag Read, Write, and Lock
3. Access Sequence
4. Inventory Start/Stop
5. Single Tag Locations
6. Barcode Scanning
7. Get Battery Status
8. Request Battery Status Event
9. Trigger Press Release Event

Product Usage Instructions

Discovering and Connecting Readers

1. Make sure your iOS device's Bluetooth is turned on.
2. Open the application that uses the Zebra RFID SDK for Xamarin.
3. In the application, navigate to the reader discovery section.
4. Tap on the "Discover Readers" button to start the discovery process.
5. Wait for the application to detect available RFID readers nearby.
6. Select the desired reader from the list of discovered readers.
7. Tap on the "Connect" button to establish a Bluetooth connection with the selected reader.

Performing Basic Inventory

1. Make sure you have successfully connected to a reader as described in the previous section.
2. In the application, navigate to the inventory section.
3. Tap on the "Start Inventory" button to initiate the inventory process.
4. The application will continuously scan for RFID tags in the vicinity of the reader.
5. As tags are detected, they will be displayed in the application's UI along with relevant information.
6. To stop the inventory process, tap on the "Stop Inventory" button.

Barcode Reading

1. Make sure you have successfully connected to a reader as described in the "Discovering and Connecting Readers" section.
2. In the application, navigate to the barcode scanning section.
3. Position the reader's barcode scanner near the barcode you want to scan.
4. Press the trigger button on the reader to initiate the barcode scanning process.
5. The scanned barcode will be displayed in the application's UI.

Overview

Zebra RFID SDK for Xamarin enables a developer to build native applications to connect and control Zebra RFID readers over a Bluetooth connection (no cradle involved) on iOS devices from a single, shared C# codebase.

Functionality,

1. 1. Discover, connect and disconnect readers
    2. Perform basic inventory (start, stop inventory with relevant notifications)
    3. Barcode reading

Device Compatibility

For the compatible devices list, please visit following page. **https://www.zebra.com/us/en/support-downloads/software/developer-tools/xamarin-wrapper-for-rfidsdk-for-android-and-ios.html**

Version History

Version 1.0.9 – 11/2023

1. Region Settings
2. General BUG fixes and stability

Version 1.0.7 – 09/2023

1. Firmware Update
2. General BUG fixes and stability

Version 1.0.3 – 05/2023

Features

1. Trigger Mapping
2. Tag Read, Write, and Lock
3. Access Sequence
4. Inventory Start/Stop
5. Single Tag Locations
6. Barcode Scanning
7. Get Battery status
8. Request Batter status event
9. Trigger press release event

Components

The RFID SDK for the Xamarin ZIP file contains the following components:

- iOS Xamarin libraries
- Demo application source code

Installation

Supported operating systems:

- iOS 14.x, 15.x ,16.x and 17.x

Documents / Resources

Release Notes RFID SDK for Xamarin (iOS) v1.0 November 2023	**ZEBRA RFID SDK for Xamarin iOS Software** [pdf] Instructions RFID SDK for Xamarin iOS Software, SDK for Xamarin iOS Software, Xamarin iOS Software, iOS Software, Software

References

- **RFID Reader SDK For Xamarin (iOS) Support and Downloads | Zebra**
- **User Manual**