# Adding Zebra RFID 8500 Support to Valitag

## General User Guide

GenX Sled\_User Guide\_Draft5.pdf

## Dev Setup

RFD8500 RFID DEVELOPER GUIDE DRAFT 5.pdf

Follow instructions in Chapter 2

## Framework location

$(PROJECT\_DIR)/Zebra

# App Settings

## General

Linked libraries (see below)

## Capabilities

Background Modes (On)

* External accessory communication
* Uses Bluethooth LE accessories
* Acts as a Blouetooth LE accessory

Wireless Accessory Configuration (On)

* Link ExternalAccessory.framework

## Build Settings

Add the following the Library Search Paths:

$(inherited)

$(PROJECT\_DIR)/Zebra

User Header Search Paths:

Zebra/include/\*\*

## Build Phases

Link Binary With Libraries:

libsymbolrfid-sdk.a

CoreBluetooth.framework

ExternalAccessory.framework

# Key Code Blocks in ScannerViewController.mm

## Include file

#import “RfidSdkFactory.h”

## Member Variables

BOOL \_zebraReaderConnected;

id <srfidISdkApi> \_rfidSdkApi;

int \_readerID;

srfidStartTriggerConfig \*\_startTriggerConfig;

srfidStopTriggerConfig \*\_stopTriggerConfig;

srfidReportConfig \*\_reportConfig;

srfidAccessConfig \*\_accessConfig;

## Declare Interface Delegate

@interface ScannerViewController ()

<AVCaptureMetadataOutputObjectsDelegate,

UgiInventoryDelegate,

RcpDelegate2,

**srfidISdkApiDelegate**>

## Initialization

- (void)initializeZebraRfidSdkWithAppSettings

Subscribe to event delegates

Save configurations in member variables for reuse

## Reading Tags

- (void)zebraRapidRead

Look for a reader if none connected

## Update Reset code

- (IBAction)reset:(id)sender

## Implemented Delegates

- (void)srfidEventReaderAppeared

- (void)srfidEventCommunicationSessionEstablished

- (void)srfidEventReadNotify

- (void)srfidEventBatteryNotity

## Stubbed Delegates - Not Needed

- (void)srfidEventReaderDisappeared

- (void)srfidEventCommunicationSessionTerminated

- (void)srfidEventStatusNotify

- (void)srfidEventProximityNotify

- (void)srfidEventTriggerNotify