



**iMag/ iMag Pro(II)**

**SDK User Manual**

**4/20/2016**

## iMag and iMag Pro(II) SDK User Manual

### Revision History

<b>Rev</b>	<b>Date</b>	<b>Description of Changes</b>	<b>By</b>
A	08/23/2012	Initial Release. For iMag SDK v2.4 and above.	JW
B	12/27/2012	For iMag SDK v2.5 -Remove function “destroy”, and add the function “dealloc”. -Add new functions "SendCMDGetVersion", "SendCMDGetSerialNumber" and "enableLogging". - Add platform IOS 6.0	CH
C	02/25	Add supporting IOS 6.1	CH
D	10/24/2013	Add iMagProII	CH
E	4/20/2016	Support Bitcode and iOS7 above.	Xinhu Li

## Target Devices

iMag /iMag Pro(II) Readers

## Platform

OS v7.0 above;

xCode v5.1 above for calling SDK;

xCode v7.3 above for demo source code.

Architectures: armv7, arm64, i386 and x86\_64.

Bitcode: support.

## iOS SDK files

iMag.h

libiMagSDK.a (Static Library)

## SDK's property

Name: **iMagConnected**

Format:

@property (readonly)BOOL iMagConnected;

Return: BOOL. Return the status of connection.

Description:

Get the connect status between iMag reader and SDK.

## SDK's function

Name: **init**

Format:

-(id) init

Description:

Initialize a new iMag instance. Build event notification for reader's connection. Also build connection and session between SDK and reader. If build successfully, the event "**iMagDidConnectNotification**" will be fired. To destroy the object built by "init", please use the standard function "release".

Name: **SendCMD**

Format:

-(NSData\*) SendCMD: (NSData\*) writeBuf;

Parameter: writeBuf

A bytes array data will be send to reader.

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Return: A byte array data.

Description:

Send any command data to reader, and then get response from reader.

Example: To get firmware version, command <0x52 0x22> can be sent to reader.

For more commands description, please refer to the iMag/iMag Pro user manual.

Name: **SendCMDGetVersion**

Format:

-(NSData\*) SendCMDGetVersion;

Parameter: nil.

Return: A byte array data of firmware version.

Description:

Send the get firmware version command data to reader, and then get the firmware version description from reader.

Name: **SendCMDGetSerialNumber**

Format:

-(NSData\*) SendCMDGetSerialNumber;

Parameter: nil.

Return: A byte array data of serial number.

Description:

Send the get serial number command data to reader, and then get the serial number from reader.

Name: **enableLogging**

Format:

-(void) enableLogging:(BOOL)enable;

Parameter: enable. YES can write console log or NO is opposite.

Return: nil.

Description:

Open the console log function will helpful to debug program.

## SDK's notification event

Name: **iMagDidConnectNotification**

Description:

While an iSmart reader is plugged into IOS device by 30Pin interface, SDK will fire this event to application.

Name: **iMagDidDisconnectNotification**

Description:

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While an iSmart reader is removed from IOS device by 30Pin interface, SDK will fire this event to application.

Name: **iMagDidReceiveDataNotification.**

Description

When card data is received by SDK from iMag reader, SDK will fire this event, and card data will be sent to application as parameter of event.