



Mobile Payment SDK Version 1.0.3

iPay88 Mobile Payment SDK is provided by **Mobile88.com Sdn. Bhd.** For more information, please visit www.ipay88.com

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Table of Contents

MOBILE PAYMENT SDK – IOS.....	3
1 PRE-REQUITES WHEN DEVELOP IOS APPS THAT USE IPAY88 IOS MOBILE PAYMENTS CHANNEL.....	3
2 IPAY88 IOS MOBILE PAYMENTS LIBRARY	3
2.1 Mobile Payments Library API Reference.....	3
2.2 Adding the Library and Importing Header Files	3
2.3 Start the Library UIView	4
2.4 Methods in the Mobile Payments Library	5
2.5 Custom Objects in the Mobile Payments Library.....	6
3 THE CHECKOUT EXPERIENCE WITH THE IPAY88 IOS MOBILE PAYMENTS LIBRARY	7
3.1 Ipay88 iOS Mobile – Credit Card.....	7
3.2 Ipay88 iOS Mobile – CIMB	9
3.3 Ipay88 iOS Mobile – Maybank2u.....	12

MOBILE PAYMENT SDK – iOS

1 Pre-requisites when develop iOS Apps that use Ipay88 iOS Mobile Payments channel

Please provide your MerchantCode to Ipay88.

Ipay88 need to configure your MerchantCode into Ipay88 server to allow you can use Ipay88 Mobile Payment channel.

2 Ipay88 iOS Mobile Payments Library

This section provides details about the Mobile Payments Library API, and it provides instructions and examples for integrating the library with your iOS application.

2.1 *Mobile Payments Library API Reference*

The flow of the library is:

1. Your application initializes the library.
2. Your UI view controller should add the UI view returned by the library as its subview.
3. After buyers complete their payments, the library returns a callback to your application with the status of the payment and the transaction id.

2.2 *Adding the Library and Importing Header Files*

1. In XCode, open your build target and go to “Build Phases” tab.
2. Under “Link Binary With Libraries”, add the “libipay88sdk.a” static library.
3. Add the headers files (“Ipay.h” & “IpayPayment.h”) into your project.

Also, import the appropriate headers into your application classes. The following classes must be imported:

```
#import "Ipay.h"  
#import "IpayPayment.h"
```

2.3 Start the Library UIView

The Library uses the native UIWebView to start the checkout flow, and to communicate completion back to you. You can implement `PaymentResultDelegate` to be informed immediately upon successful completion of a payment.

To start the Ipay88 payment, you must initialize the Ipay object first.

You must use the checkout method and give it the IpayPayment object. IpayPayment handles *simple* payments, which support single receivers of payments with one transaction and a few details.

In the following example, the buyer checks out with a simple payment for a single recipient:

```
paymentsdk = [[Ipay alloc] init];
paymentsdk.delegate = self;
IpayPayment *payment = [[IpayPayment alloc] init];
[payment setPaymentId:@""];
[payment setMerchantKey:@"ABCD1234"];
[payment setMerchantCode:@"M01234"];
[payment setRefNo:@"test"];
[payment setAmount:@"1.00"];
[payment setCurrency:@"MYR"];
[payment setProdDesc:@"testing"];
[payment setUsername:@"SDK Tester"];
[payment setUserEmail:@"sdktester@ipay88.com"];
[payment setUserContact:@"0171234567"];
[payment setRemark:@"Testing SDK"];
[payment setLang:@"ISO-8859-1"];
[payment setCountry:@"MY"];
UIView *paymentView = [paymentsdk checkout:payment];
[self.view addSubview:paymentView];
```

2.4 Methods in the Mobile Payments Library

The “checkout” method

This method returns a UIView(an instance of UIWebView).

- (UIView *)checkout:(IpayPayment *)payment;

The interface for providing details on when a payment is completed is defined in <PaymentResultDelegate> protocol. This interface provides you with a way to be notified immediately when a payment has completed:

@protocol PaymentResultDelegate <NSObject>

**- (void)paymentSuccess:(NSString *)refNo withTransId:(NSString *)transId
withAmount:(NSString *)amount withRemark:(NSString *)remark
withAuthCode:(NSString *)authCode;**

**- (void)paymentFailed:(NSString *)refNo withTransId:(NSString *)transId
withAmount:(NSString *)amount withRemark:(NSString *)remark
withErrDesc:(NSString *)errDesc;**

**- (void)paymentCancelled:(NSString *)refNo withTransId:(NSString *)transId
withAmount:(NSString *)amount withRemark:(NSString *)remark
withErrDesc:(NSString *)errDesc;**

@end

Requery method

- (void)requery:(IpayPayment *)payment

Note: only the refNo, merchantCode and amount properties of the IpayPayment object are required for requery(the rest can be left empty).

The interface for providing details on when a requery is completed is defined in <PaymentResultDelegate> protocol. This interface provides you with a way to be notified immediately when a requery has completed:

@protocol PaymentResultDelegate <NSObject>

- (void)requerySuccess:(NSString *)refNo withMerchantCode:(NSString *)merchantCode withAmount:(NSString *)amount withResult:(NSString *)result;

- (void)requeryFailed:(NSString *)refNo withMerchantCode:(NSString *)merchantCode withAmount:(NSString *)amount withErrDesc:(NSString *)errDesc;

@end

2.5 Custom Objects in the Mobile Payments Library

The Mobile Payments Library includes custom objects for passing information between the library and your application during checkout.

IpayPayment

This object is passed to the library. This object contains all the values for a payment.

Method	Description
setMerchantKey(String merchantKey)	<i>(Required)</i> - Merchant Key that provided by Ipay88.
setMerchantCode(String merchantCode)	<i>(Required)</i> – Merchant Code that provided by Ipay88.
setPaymentId(String paymentId)	<i>(Optional)</i> - Payment Id that required by Ipay88.
setRefNo(String refNo)	<i>(Required)</i> - Reference number for merchant refer purposes, should be unique for each transaction.
setAmount(String amount)	<i>(Required)</i> – Amount to charge customer. *For testing, please use 1.00
setCurrency(String currency)	<i>(Required)</i> – Currency.
setProdDesc(String prodDesc)	<i>(Required)</i> – Product Description
setUserName(String userName)	<i>(Required)</i> - User Name of the customer in merchant's system.
setUserEmail(String userEmail)	<i>(Required)</i> - User Email of the customer in merchant's system.
setUserContact(String userContact)	<i>(Required)</i> - User Contact of the customer in merchant's system.
setRemark(String remark)	<i>(Required)</i> - Remark for particular transaction.
setLang(String lang)	<i>(Optional)</i> - Language. *Default - ISO-8859-1
setCountry(String country)	Set this field to connect iPay88 gateway to selected country. *Default – MY *Available values: MY / PH / ID Important Note: Please ensure merchant have merchant account before connect to specified country gateway.
setBackendPostURL(String url)	<i>(Optional)</i> – This mainly for some time mobile phone user not able get the payment result, for example when poor internet connection, ipay88 return the payment result to this merchant backend post URL.

3 The Checkout Experience with the Ipay88 iOS Mobile Payments Library

3.1 Ipay88 iOS Mobile – Credit Card

Credit Card

Credit Card Details

Name

Credit Card No.

CVC/CVV2

Expiry Date -- ----

Issuing Country

Issuing Bank

☐ I authorize Mobile88.com Sdn Bhd to debit the above net charges from my credit card.

Important Note: +

» Proceed Cancel

Powered by

(If 3D card), request a TAC, key in the TAC, press 'Submit'.

The MSOS Code has been sent to your mobile number +60xxxx7396. Please enter the MSOS Code to authenticate this payment before session time-out.

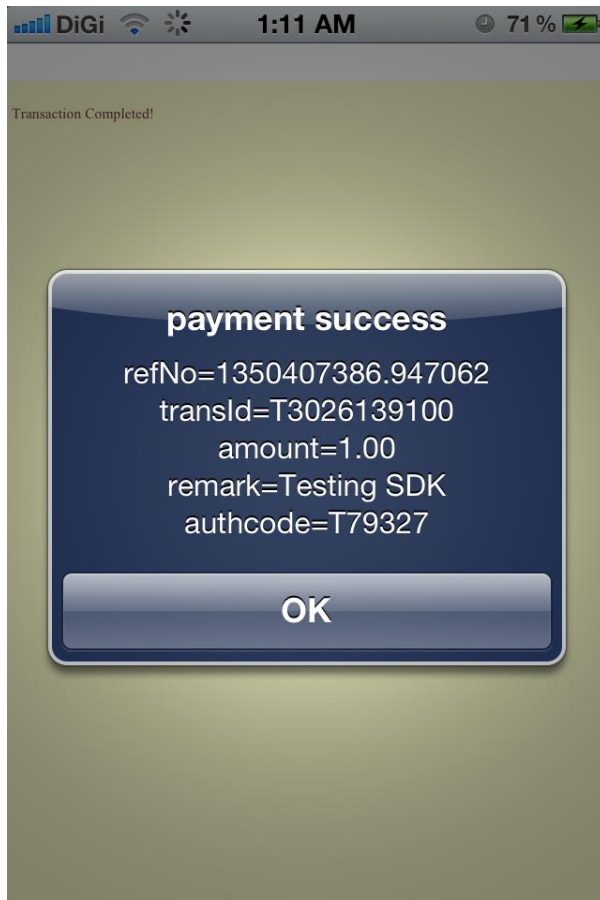
Time remaining: 4 min. 43 sec.

Merchant Name	: MOBILE88.COM-IPAY88
Amount	: MYR 1.00
Transaction Date	: Fri Oct 12 2012 17:39:46 GMT+0800
Maybank MasterCard No.	: xxxx xxxx xxxx 7665
MSOS Code	: <input type="text"/>

OK Cancel Resend MSOS Code

This information is **Not Shared** with the Merchant.
Any problem in receiving your MSOS code? Please contact our Customer Care Hotline at 1-300-88-6688 or 603-7844 3696 (overseas) for assistance.

Result will sent to your Result delegate methods.



3.2 Ipay88 iOS Mobile – CIMB

Simple. Convenient. Secure.

*iPay88 is a Online Payment Service provided by MobileBB.com (Malaysia)

Available Payment Method:

Credit Card Online Banking eWallet

Summary Of Transaction

Net Charges MYR 1.00

Pay To Isentic Mobile Payment Test Account

Payment of testing

Reference No / Payment ID test3 / T2996479900

CIMB Clicks

Timeout in : 12:46

[Proceed](#) [Cancel](#)

If you don't receive any status reply after successful payment, please click button below.

[Check status manually](#)

Powered By : CIMB Clicks

iPay88.com © 2006 - 2012. All Rights Reserved.
Customer Careline: +60-3-9200 5555, 8.30 am - 6.00 pm (Mon - Fri) Email: support@ipay88.com

Key in User ID and password then login to CIMB

CIMB Clicks

Home

Login

Please provide your User ID and Password to access CIMB Clicks

User ID

Password

[Clear](#) [Submit](#)

Need Assistance?

Call our customer care hotline at 1 800 885 900 or 603 2285 6330 if you're overseas (24 hours daily, including holidays)

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Press 'Submit' to confirm

CIMB BANK
CIMB ISLAMIC

You are in a secured site [Logout](#)

CIMB Clicks **CIMB Clicks**

Home

Online Payment
Please select account to "Pay From" and click on "Submit" button to continue.

Account Holder Name : LOW YU SIANG

Pay From : 1242008651520 CIMB Air Asia Savings RM14,250.91

Pay To : Mobile88.com

Payment ID : ePayment

Payment Of : T2996479900

Amount (RM) : 1.00

[Submit](#)

Need Assistance?
Call our customer care hotline at 1 300 880 800 or 603-2706 5100 if you're overseas (24 hours daily, including holidays).

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Request a TAC by press 'Click here' button. Key in the TAC and press 'Confirm' to confirm the payment

CIMB BANK
CIMB ISLAMIC

You are in a secured site [Logout](#)

CIMB Clicks **CIMB Clicks**

Home

Online Payment Confirmation Page
Kindly check the information below before you click on "Confirm" button.

Account Holder Name : LOW YU SIANG

Pay From : 1242008651520

Account Type : Savings Account

Pay To : Mobile88.com

Payment ID : ePayment

Payment Of : T2996479900

Amount (RM) : 1.00

Transaction Authorization Code* :

(TAC on SMS) [Click here](#)

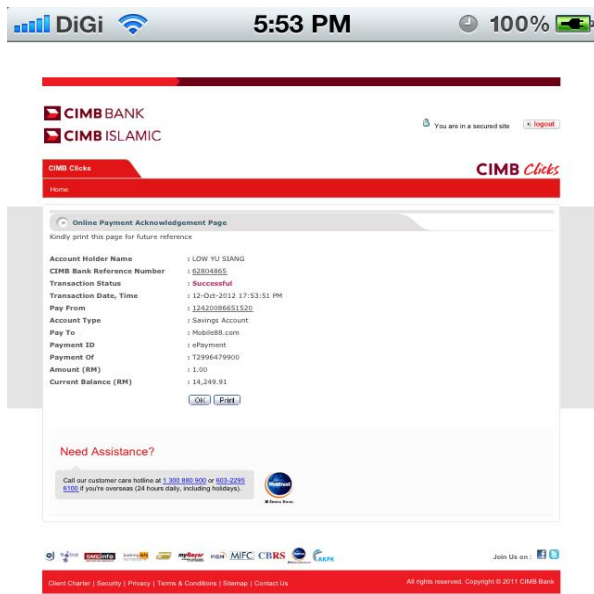
Note:
The selected TAC method will be used throughout your entire banking session. You will need to logout and login again to use a different TAC method.

[Back](#) [Confirm](#)

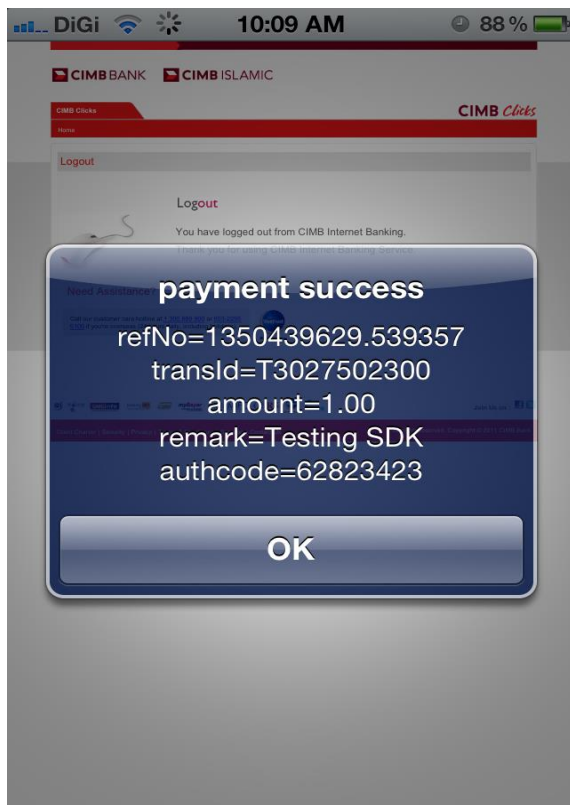
Need Assistance?
Call our customer care hotline at 1 300 880 800 or 603-2706 5100 if you're overseas (24 hours daily, including holidays).

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Result will sent to your Result delegate methods



3.3 Ipay88 iOS Mobile – Maybank2u



Simple - Convenient - Secure. 

*iPay88 is Online Payment Service provided by Mobile88.com Sdn. Bhd.

Available Payment Method:

☐ Credit Card ☐ Online Banking ☐ eWallet

Summary Of Transaction

Net Charges MYR 1.00

Pay To Isentic Mobile Payment Test Account

Payment of testing




Reference No / Payment ID test3 / T2996435800

Maybank2U

Timeout in : 12:41

If you don't receive any status reply after successful payment, please click button below.

Powered By:

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Customer Careline: +60-3-9200 5555, 8.30 am - 6.00 pm (Mon - Fri) Email: support@ipay88.com

Press 'Proceed'



maybank2u.com Close

Welcome

Log in to Maybank2u.com online banking

Note:

- You are in a secured site.

Username:

Don't have a Maybank2u account?
[Click here for information on opening an account](#)

Security information:

- Security Alert: Do not click on this phishing website 18/12/07
- Never login via email links
- Never reveal your PIN and/or Password to anyone.

[Click here to notify us of any Maybank2u.com "phishing" website](#)

Forgot your Online Banking password?

Call our customer care hotline at 1-300-88-6688 or 603-7844 3696 if you're overseas (24 hours daily, including holidays).

maybank2u.com

Key in username and press 'Next'



maybank2u.com

Key in Password, and press 'Login'.



maybank2u.com

Press 'Continue' to confirm.



maybank2u.com Logout

Online Ticketing

This transaction requires a TAC (What is a TAC? [?])
Request a TAC number [?]

From Account: **112362113404 SA**
Corporation Name: **Mobile88.Com Sdn Bhd.**
User ID: **ePayment00**
Bill reference no.: **T2996435800**
Amount: **RM1.00**
Effective date: **Today**
TAC:

OR [Go back](#)

maybank2u.com

Request a TAC number.



Transaction Authorisation Code - (TAC) Close this window

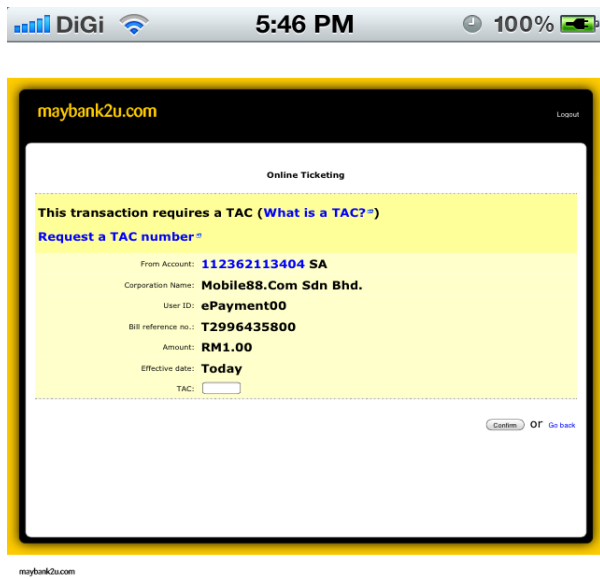
TAC Request

Note:
Your TAC can only be used for ONE transaction only. You need to request for another TAC to perform another transaction that requires TAC.

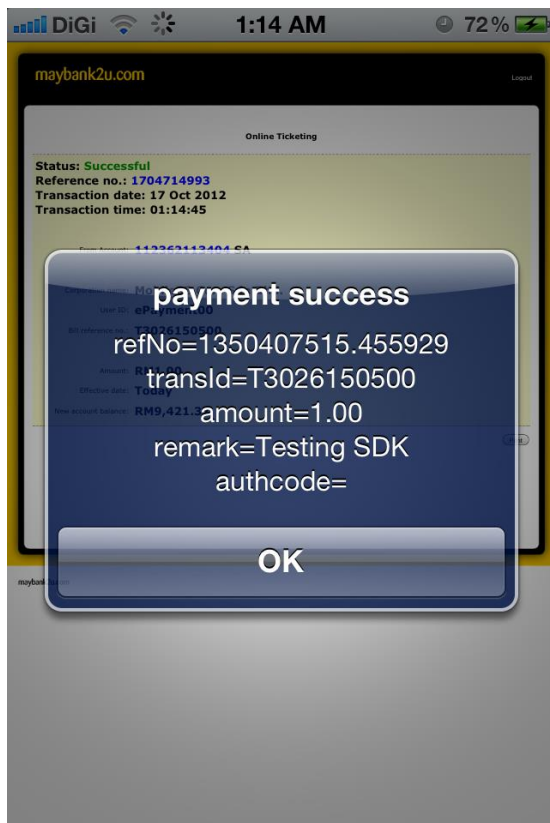
Your TAC Request is successful (12 Oct 2012 17:47:51).
Your TAC number will be sent via USSD or SMS to your registered mobile phone number 017-267XXXX.

maybank2u.com

Press 'Close this Window'.



Key in TAC and press 'Confirm'.



Result will sent to your Result delegate methods.