

# RELEASE NOTES IN-APP MESSAGING SDK VERSION 2.9 - iOS

These are the main feature releases available in the **In-App Messaging SDK version 2.9 for iOS**.

**Version 2.9 planned roll-out: November 12th 2017**

## New functionalities

[XCode 9.1 and Swift 4.0.2 Support](#)

[iPhone X Device Support](#)

## New parameters

[Branding and configuration parameters](#)

## New functionalities

### XCode 9.1 and Swift 4.0.2 Support

**Type:** Developer Experience Feature

**Available to all customers?** Yes

The In-app Messaging SDK v2.9 was built and certified with XCode 9.1 in Swift 4.0.2.

Customers wishing to use the In-app Messaging SDK v2.9 must upgrade their XCode to 9.1 and their Swift version to 4.0.2.

### iPhone X Device Support

**Type:** Device Support Feature

**Available to all customers?** Yes

The In-app Messaging SDK v2.9 is now supported on the iPhone X.

## New parameters



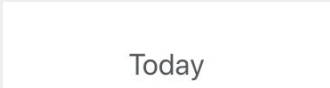
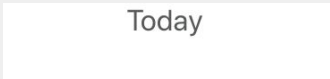


### Branding and configuration parameters

**Type:** Parameters


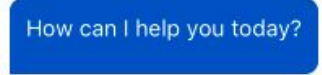
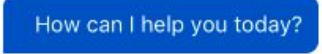

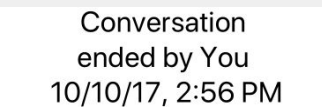
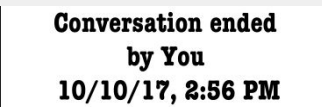
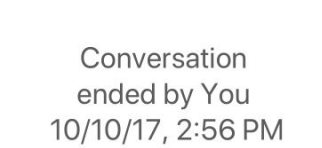
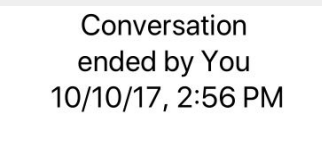
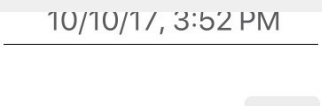
**Available to all customers?** Yes

The In-app Messaging SDK v2.9 exposes additional branding configuration parameters.

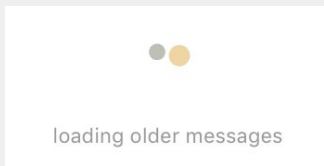
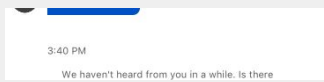
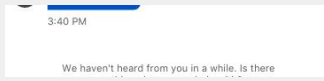
New parameters may control text, padding of conversation UI elements and more.

Parameter name and default value	Description	Image
customFontNameDateSeparator: String?	Custom font for Timestamp.  Fonts that are not part of the iOS families must be defined in the App's Info.plist.	
dateSeparatorFontSize : UIFontTextStyle = .footnote	Defines the Date Separator font text style.	
dateSeparatorTopPadding: Float = 0.0	Defines the Date Separator top spacing.	
dateSeparatorBottomPadding: Float = 0.0	Defines the Date Separator bottom spacing.	
remoteUserAvatarLeadingPadding: Float = 8.0	Defines the remote avatar leading spacing (from the left edge to the avatar).	
remoteUserAvatarTrailingPadding: Float = 8.0	Defines the remote avatar Trailing spacing (from the avatar to the bubble).	

# RELEASE NOTES IN-APP MESSAGING SDK VERSION 2.9 - iOS

bubbleTopPadding: Float = 10.0	Defines the bubble top spacing.	
bubbleBottomPadding: Float = 10.0	Defines the bubble bottom spacing.	
bubbleLeadingPadding: Float = 10.0	Defines the bubble leading spacing.	
bubbleTrailingPadding: Float = 10.0	Defines the bubble trailing spacing.	
inputTextViewTopBorderColor: UIColor = UIColor.clear	Input TextView top border color. The default color is clear.	
conversationSeparatorFontSize: UIFontTextStyle = .caption1	Defines the Conversation Closed separator font size.	
conversationSeparatorFontName: String?	Custom font name for Conversation Closed separator.  Fonts that are not part of the iOS families must be defined in App's Info.plist.	
conversationSeparatorTopPadding: Float = 5.0	Defines the Conversation Closed Separator Top spacing.	
conversationSeparatorBottomPadding: Float = 7.0	Defines the Conversation Closed label to separator line spacing.	
conversationSeparatorViewBottomPadding: Float = 7.0	Defines the conversation separator view bottom spacing.	

# RELEASE NOTES IN-APP MESSAGING SDK VERSION 2.9 - iOS

<code>customRefreshControllerImagesArray:Array&lt;UIImage&gt;? = nil</code>	Array of images for creating the custom refresh controller. The controller will loop the images; two or more images are required for the array to take effect.	
<code>customRefreshControllerAnimationSpeed:Float = 2</code>	Custom refresh controller speed animation; defines the full images loop time.  A smaller value will create a higher speed animation.	
<code>bubbleTimestampTopPadding: Float = 2.0</code>	Defines the bubble Timestamp top spacing.	
<code>bubbleTimestampBottomPadding: Float = 5.0</code>	Defines the bubble Timestamp bottom spacing.	

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