

# Using Screen Stencils to design iOS friendly layouts

What can I do to have the Screen Stencil feature display the actual size I can use to build a layout?

Screen Stencils in FileMaker Pro aid in the design of specifically sized layouts - including layouts sized for use with iOS devices. These guides are just that - guides as to what will and will not fit on a layout based on the size(s) selected. These guides in no way prevent you from creating a layout beyond the bound suggested by the on-screen guides.

Screen Stencils take into account the dimensions of the screen but do not reflect the true dimensions of the usable layout area. For example, Screen Stencils do not take into account the displaying of scroll bars, Status bars, toolbars, and various other screen elements. Because of this, the useable layout space as defined by the screen stencils is less.

If you want to create an iOS friendly layout, a design best practice is to minimize the amount of horizontal and vertical scrolling required to interact with your layout. For example, if you had a list of items you wanted to display that would require you to scroll up and down through records, you would want to minimize (or eliminate) the amount of left to right scrolling that is necessary to view the list to provide the best customer experience.

The follow table describes the actual usable layout area for iOS devices and can be used to setup a custom Screen Stencil if need be in FileMaker Pro.

DEVICE	ORIENTATION	TOOLBAR	STATUS BAR	WIDTH	HEIGHT
iPhone	Portrait	On	On	320	385
iPhone	Portrait	Off	On	320	429
iPhone	Portrait	On	Off	320	405
iPhone	Portrait	Off	Off	320	449
iPhone	Landscape	On	On	480	255
iPhone	Landscape	Off	On	480	289
iPhone	Landscape	On	Off	480	255
iPhone	Landscape	Off	Off	480	289
iPhone 5 - 4" screen	Portrait	On	On	320	473
iPhone 5 - 4" screen	Portrait	Off	On	320	517
iPhone 5 - 4" screen	Portrait	On	Off	320	493
iPhone 5 - 4" screen	Portrait	Off	Off	320	537
iPhone 5 - 4" screen	Landscape	On	On	568	255
iPhone 5 - 4" screen	Landscape	Off	On	568	289
iPhone 5 - 4" screen	Landscape	On	Off	568	255
iPhone 5 - 4" screen	Landscape	Off	Off	568	289

iPad / iPad mini	Portrait	On	On	768	929
iPad / iPad mini	Portrait	Off	On	768	973
iPad / iPad mini	Portrait	On	Off	768	949
iPad / iPad mini	Portrait	Off	Off	768	993
iPad / iPad mini	Landscape	On	On	1024	673
iPad / iPad mini	Landscape	Off	On	1024	717
iPad / iPad mini	Landscape	On	Off	1024	693
iPad / iPad mini	Landscape	Off	Off	1024	737
iPhone 6	Portrait	On	On	375	572
iPhone 6	Portrait	Off	On	375	616
iPhone 6	Portrait	On	Off	375	592
iPhone 6	Portrait	Off	Off	375	636
iPhone 6	Landscape	On	On	667	310
iPhone 6	Landscape	Off	On	667	344
iPhone 6	Landscape	On	Off	667	310
iPhone 6	Landscape	Off	Off	667	344
iPhone 6 Plus	Portrait	On	On	414	641
iPhone 6 Plus	Portrait	Off	On	414	685
iPhone 6 Plus	Portrait	On	Off	414	661
iPhone 6 Plus	Portrait	Off	Off	414	705
iPhone 6 Plus	Landscape	On	On	736	349
iPhone 6 Plus	Landscape	Off	On	736	383
iPhone 6 Plus	Landscape	On	Off	736	349
iPhone 6 Plus	Landscape	Off	Off	736	383

Therefore, if you were interested in minimizing the amount of left and right scrolling needed for your layouts, you would want to make sure your layouts conform to the "width" values listed above.

The following is information about how much room, measured in points, the additional user interface elements take up.

<b>FILEMAKER GO ITEM</b>	<b>INFORMATION</b>
Toolbar	44 points high in Portrait mode on the iPhone / iPad 44 points high in Landscape mode on the iPad 34 points high in Landscape mode on the iPhone
Status Bar	20 points high in Portrait mode on the iPhone / iPad 20 points high in Landscape on the iPad
Record Selector	4 points wide (on the left side of the screen)
Vertical Scroll	Approximately 11 points

Bar	side (on the right side of the screen)
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A custom screen stencil can be defined using one of the dimension values listed above. In addition, a temporary rectangle layout object can be drawn on the screen with the desired dimensions to aid in layout design. You could then design your layout inside this temporary rectangle and remove it once your layout design is completed.

#### NOTES:

- When a iPhone or iPod touch is held in a Landscape orientation, the Status Bar is never displayed - regardless if the Status Bar is set to display in the Settings of the file. The values in the table above reflect that.
- An iPhone 6 set to Zoom view will be the same size as an iPhone 5 and an iPhone 6 Plus set to Zoom view will be the same size as the iPhone 6.
- The vertical scroll bar (the one on the right side of the screen) appears and disappears as needed. When displayed, the vertical scroll bar will overlap any layout objects that are on the layout. Because of this, the vertical scroll bar does not really take away from the available layout space. But if you do not want your layout objects to overlap with the vertical scroll bar, then adjust your layouts accordingly based on the value listed above.

So, for example, if you were designing a list view layout in Portrait mode on the iPhone that displayed both the Toolbar and the Status Bar, you likely would want to take into account the extra space taken up by the record selector and the scroll bar on the right side of the screen. So, in this case, the available width of your layout would be:

320 points - 4 (for the record selector) - 11 (for the scroll bar) = 305 points