ClockIt for iPhone & iPad

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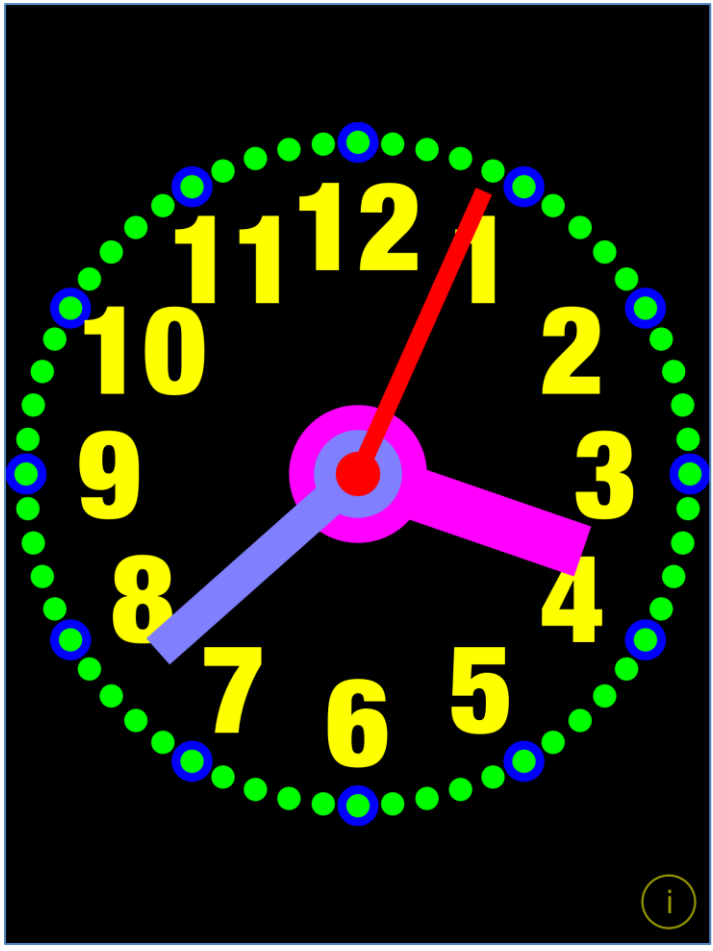
1. Introduction

ClockIt is totally customizable analog clock for iOS devices.



To change clock look just tap on part you want to change and adjust the settings. Changes are visualized immediately.

ClockIt is delivered with many predefined themes, which can be easy customized. New themes can by created by duplication of existing themes.

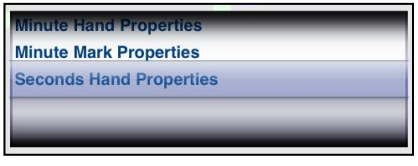
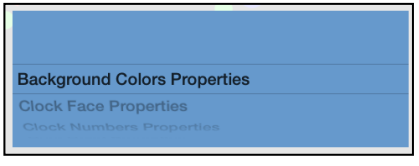
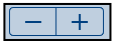
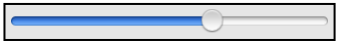
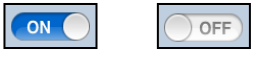
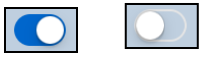
App supports iCloud data synchronization – ClockIt themes and settings on all iOS devices with same iCloud account will be synchronized.

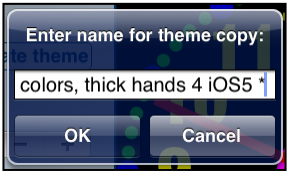
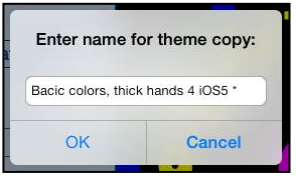
You can create infinitely many new themes, which will be automatically shared by all your iOS devices.

App “Help-function” available in the app or on WWW contains detailed description of all functions and options.

In the app has been implemented total saving/restoration of state – it means that app might be interrupted at any time (by phone call, pressing one of device buttons, screen lock) and your data will not be lost. When app is activated next time all not saved data will be restored.

App is optimized for iOS8, iOS7, iOS6, iOS5.
Pictures in current documentation are taken from iOS8.x and iOS7.x version of ClockIt. On devices, which are running older versions of iOS (6.x and 5.x) some controls will look slightly different. Following table contains couple of examples of such differences.

	iOS6.x, iOS5.x	iOS8, iOS7
Picker		
Stepper		
Slider		
Text field		
Switch		

Alert	 and 	 and 

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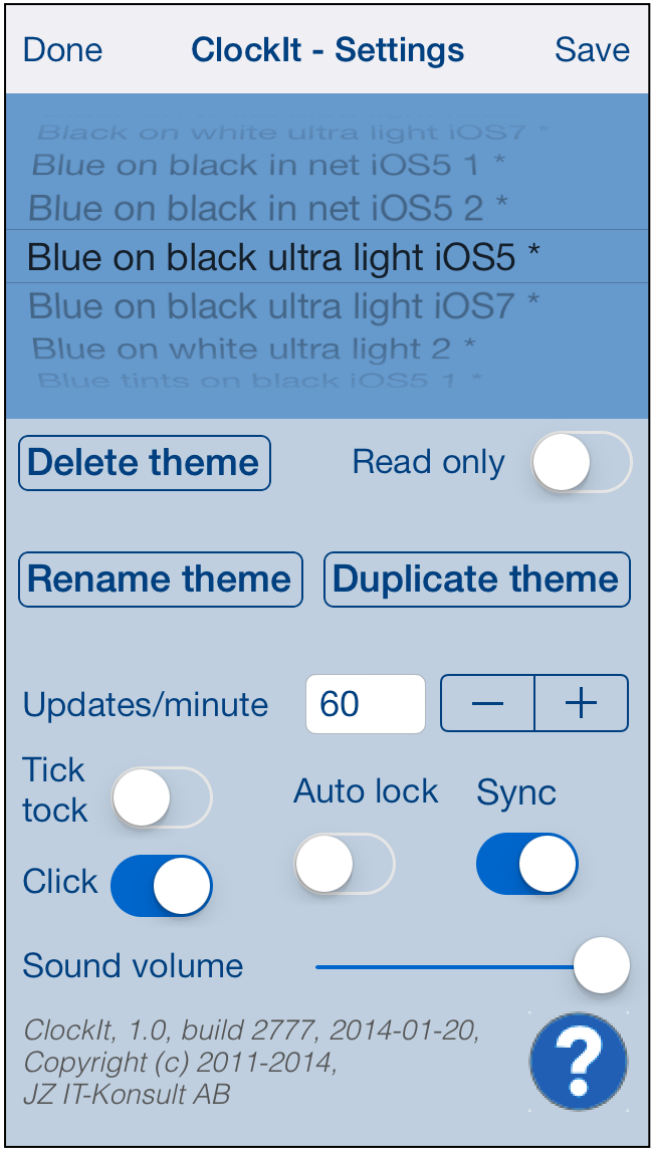
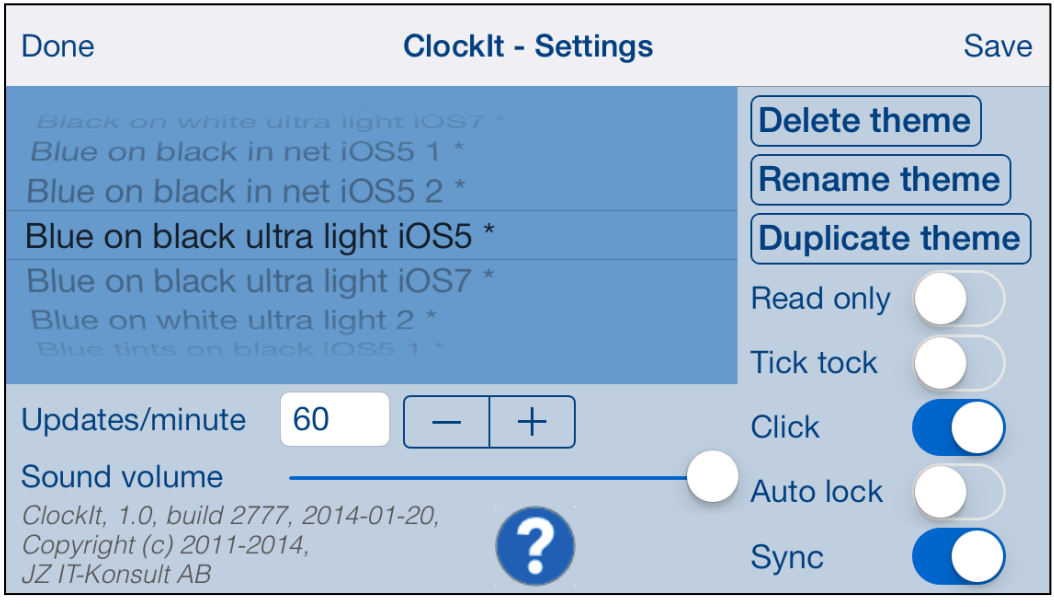
2. View orientation

All app views work in portrait and landscape orientation:



Portrait orientation

or



Landscape orientation

Just select orientation, which is most convenient for you. View orientation can be change at any time.

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3. Clock theme

Clock theme is collection of clock settings, such as colors, sizes, etc.



Picture shows all ClockIt adjustable elements in different colors:

	Clock face border
	Clock face
	Clock background
	Settings button
	Clock numbers
	Hour marks
	Minute marks
	Hour hand
	Minute hand
	Seconds hand

In more details clock theme contains following settings:

1) Theme name.

2) Predefined indicator – marks predefined themes - themes which were installed with app.
3) Read-Only indicator - predefined themes are always read-only and cannot be changed to editable. Read-only indicator can be used for protecting of users themes from accidental changes.

4) Clock face border color.
5) Clock face color.
6) Clock face radius factor – relation of clock face radius to clock radius.
7) Clock face border width factor – relation of clock border width to clock radius.
8) Show/hide seconds hand indicator – determines if senonds hand is visible.
9) Number of Clock numbers.
10) Number of Minute marks
11) Number of Hour marks.

12) Seconds hand length factor – relation of seconds hand length to clock radius.
13) Seconds hand width factor – relation of seconds hand width to clock radius.
14) Seconds hand axis radius factor – relation of seconds hand axis radius to clock radius.
15) Seconds hand color.

16) Minute hand length factor – relation of minute hand length to clock radius.
17) Minute hand width factor – relation of minute hand width to clock radius.
18) Minute hand axis radius factor – relation of minute hand axis radius to clock radius.

19) Minute hand color.

20) Hour hand length factor – relation of hour hand length to clock radius.
21) Hour hand width factor – relation of hour hand width to clock radius.
22) Hour hand axis radius factor – relation of hour hand axis radius to clock radius.
23) Hour hand color.

24) Hour mark height factor – relation of hour mark height to clock radius.
25) Hour mark width factor – relation of hour mark width to clock radius.
26) Hour mark color.
27) Hour mark radius factor – relation of hour mark radius to clock radius. Here “hour marks radius” is distance from clock center to clock hour marks.
28) Hour mark type.

29) Minute mark height factor – relation of minute mark height to clock radius.
30) Minute mark width factor – relation of minute mark width to clock radius.
31) Minute mark color.
32) Minute mark radius factor – relation of minute mark radius to clock radius. Here “minute marks radius” is distance from clock center to clock minute marks.
33) Minute mark type.

34) Clock numbers height factor – relation of numbers height to clock radius.
35) Clock numbers color.
36) Clock numbers radius factor – relation of clock numbers radius to clock radius. Here “clock numbers radius” is distance from clock center to clock numbers.

37) Clock numbers font name.

38) Clock background color.
39) Settings button color.

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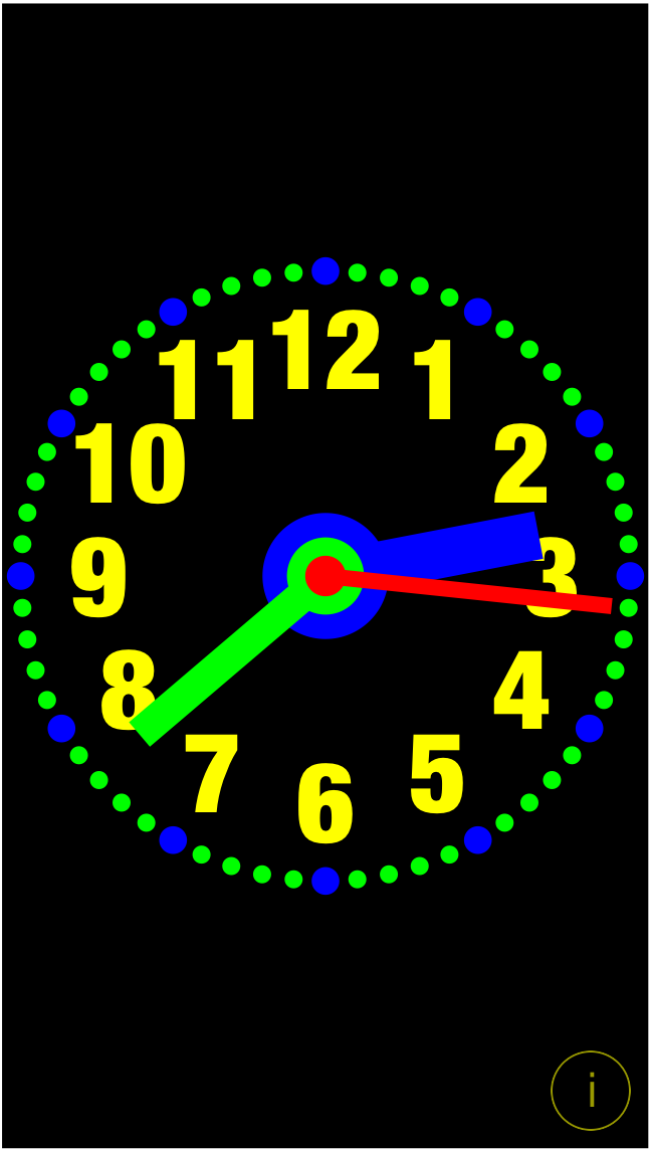
4. Clock view



It is view you will usually see when you start the app.

View contains:

- Clock, which you can customize
- Settings-button

When app was terminated in another view, next time you start app you will be directed to that view.

Here is detailed description of controls available from Clock view:

Swipe to the left	Switch to next clock theme.
Swipe to the right	Switch to previous clock theme.
Tap on clock element	Activates one of property views dependent on what clock element was tapped: 1) Background colors 2) Clock face 3) Clock numbers 4) Hour hand 5) Hour mark 6) Minute hand 7) Minute mark 8) Seconds hand
	Activates Settings view – view used to change common app parameters and options.

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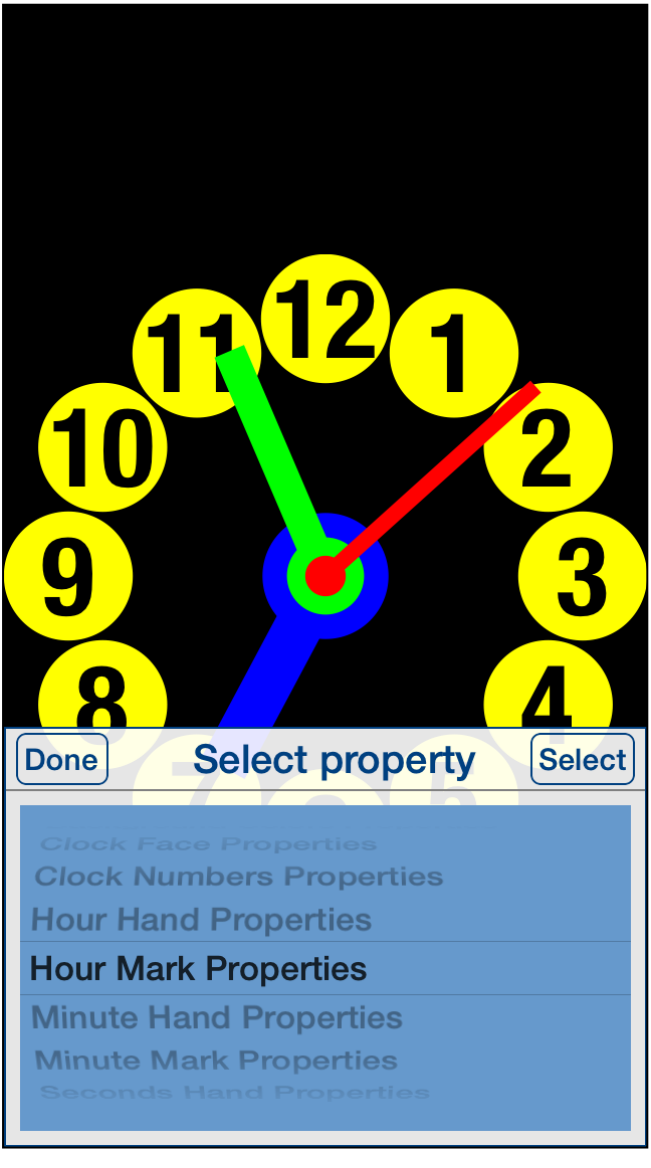
4.1 Select property



Sometimes tapping on clock element does not select exactly what you want. The reason might be too small distance between clock elements or clock elements overlap. In such case just double tap on screen - selection picker will pop-up and you will have possibility to choose clock element to change or inspect.

Controls in this view:

	Terminate the view without selecting clock property.
Tapping on any place outside the view.	Same as Done-button.
Double tapping on any place outside the view.	Same as Done-button.
	Select property and switch to property view.
Double tapping on picker.	Same as Select-button.
	Property picker - selects required clock property.

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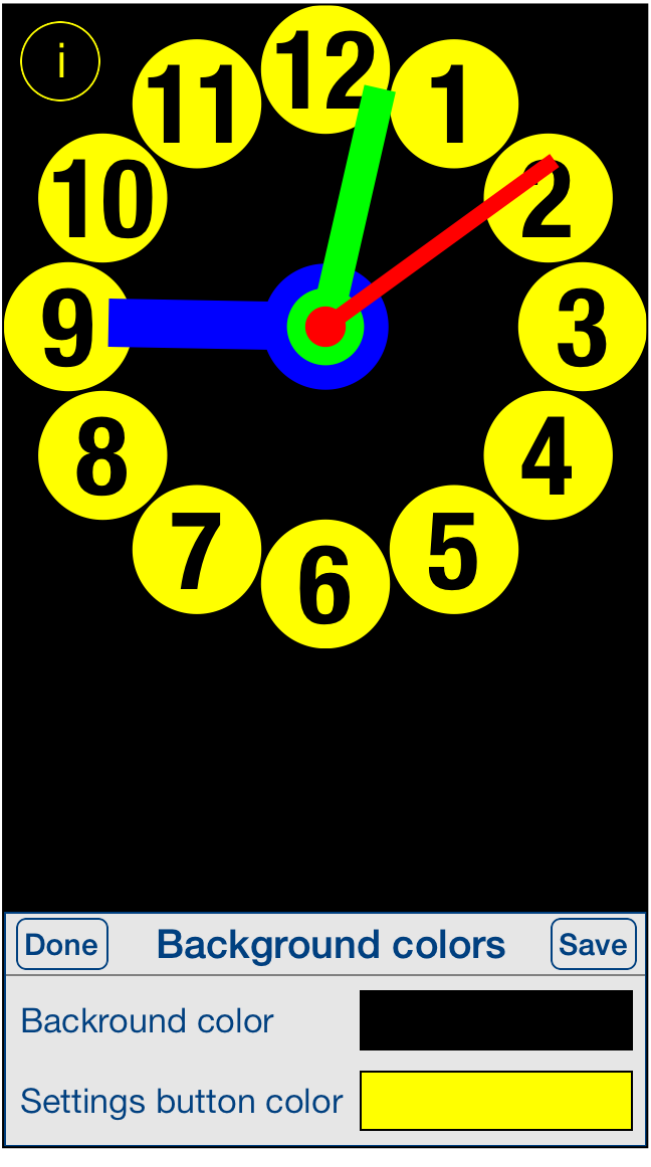
4.2 Background colors

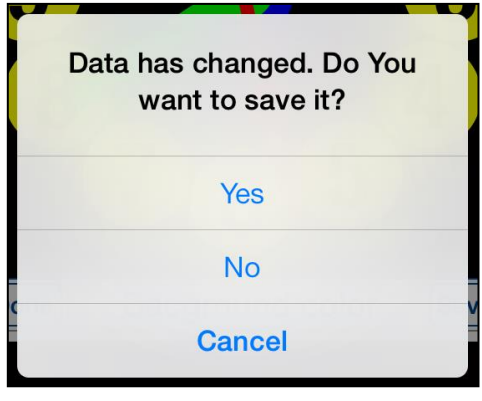


This view is used for adjusting of colors for clock background and Settings-button.

View is activated by tapping on any place outside clock face or by using Select property view.

When activated Settings-button usually located in bottom-right corner is moved to top-left corner to avoid covering it by the view.

Controls in this view:

Done	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the following alert: **Data has changed alert**  User will have three possibilities: 1) Save changes and exit, by choosing “Yes”. 2) Discard changes and exit, by selecting “No”. 3) Continue editing, by selecting “Cancel”.
Tapping on any place outside the view.	Same as Done-button.

	Save data and terminate view.
	Tapping on it activates Color picker for Settings-button.

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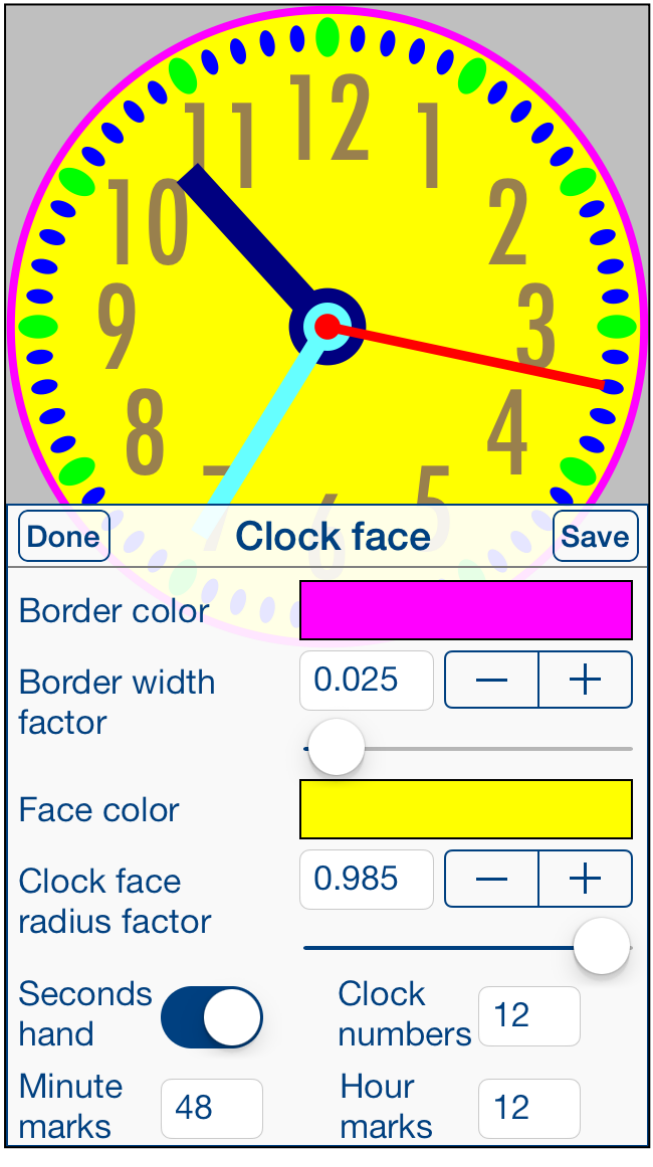
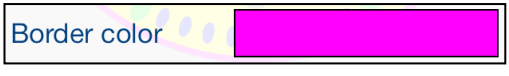
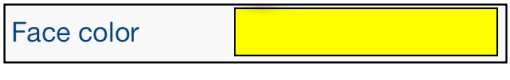
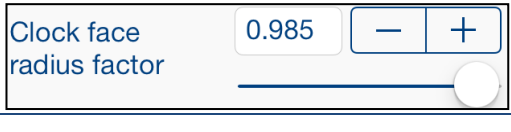
4.3 Clock face

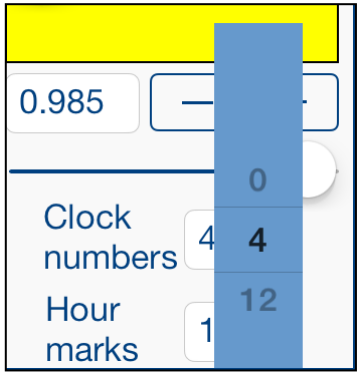


This view is used for adjusting of properties of clock face.

View is activated by tapping on empty place on clock face or by using Select property view.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Tapping on it activates Color picker for Face border color.
	Slider and stepper used for adjusting of Clock face border width factor.
	Tapping on it activates Color picker for Clock face color.
	Slider and stepper used for adjusting of Clock face radius factor.

	Switch for hiding/showing of seconds hand – setts Show/hide seconds hand indicator.
	Determines number of Clock numbers, when taped picker with possible numbers will pop-up: 
	Determines number of Minute marks, when taped picker with possible numbers will pop-up.
	Determines number of Hour marks, when taped picker with possible numbers will pop-up.

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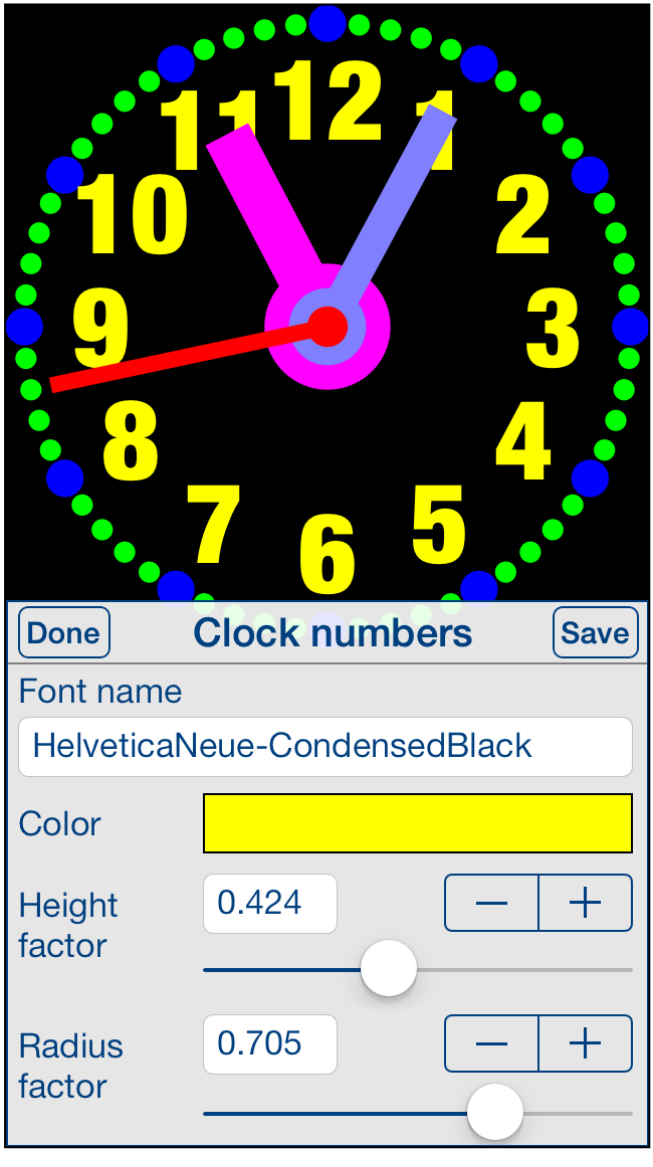
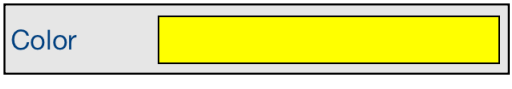
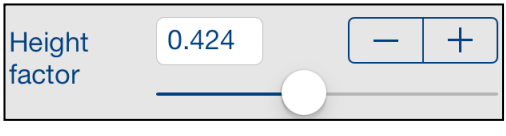
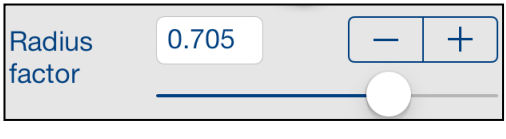
4.4 Clock numbers



This view is used for adjusting of properties of clock numbers.

View is activated by tapping on any clock number or by using Select property view.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Tapping on it activates Font picker for clock numbers.
	Tapping on it activates Color picker for clock numbers.
	Slider and stepper used for adjusting of Clock numbers height factor.
	Slider and stepper used for adjusting of Clock numbers radius factor.

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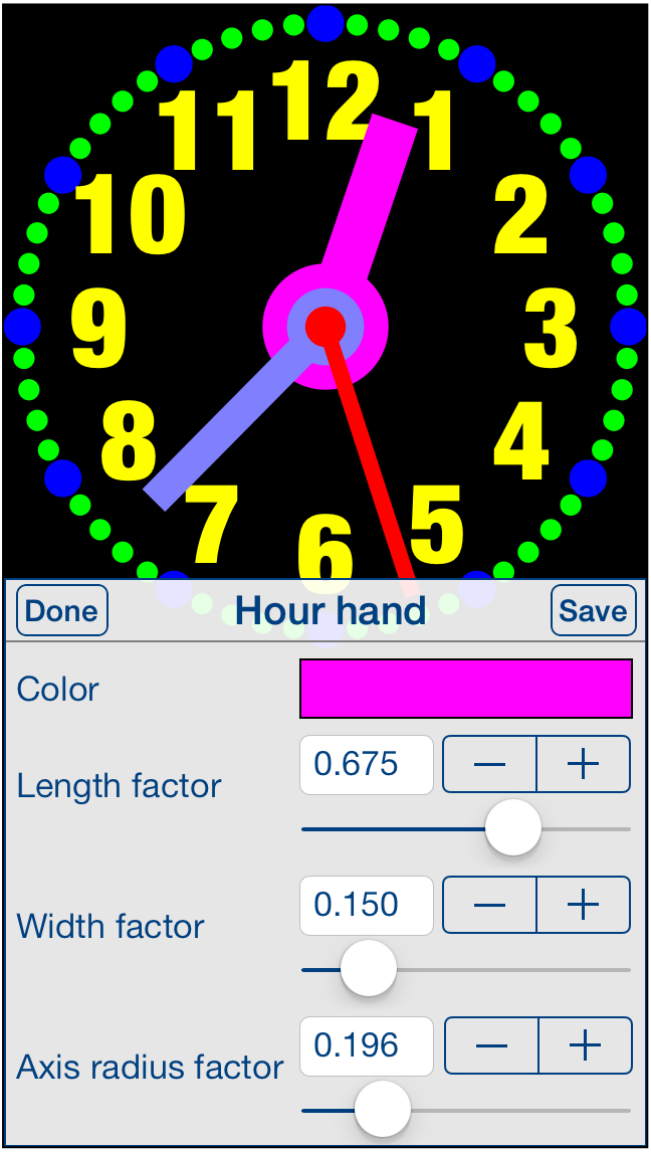
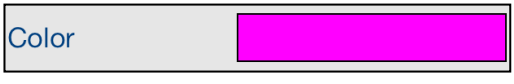
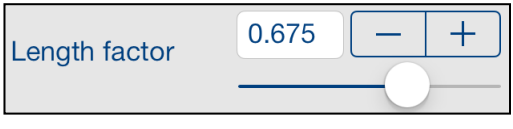
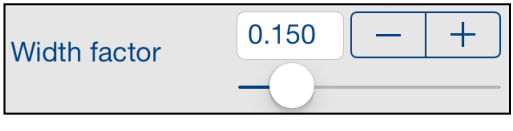
4.5 Hour hand



This view is used for adjusting of properties of hour hand.

View is activated by tapping on hour hand or by using Select property view.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Tapping on it activates Color picker for hour hand.
	Slider and stepper used for adjusting of Hour hand length factor.
	Slider and stepper used for adjusting of Hour hand width factor.
	Slider and stepper used for adjusting of Hour hand axis radius factor.

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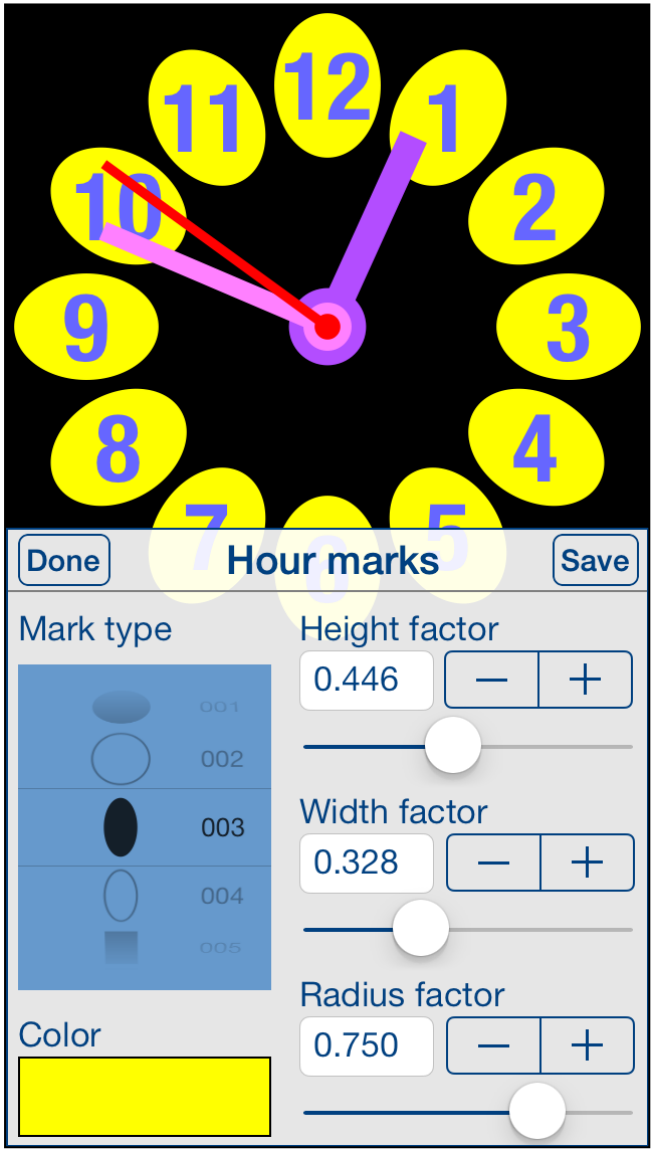
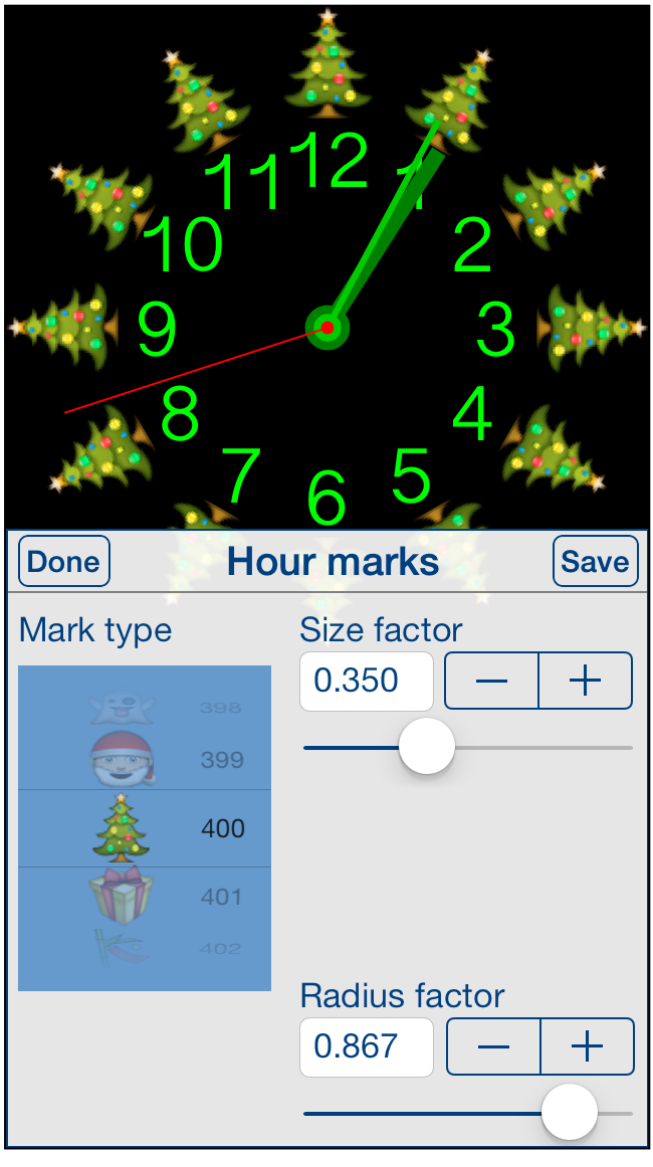
4.6 Hour mark



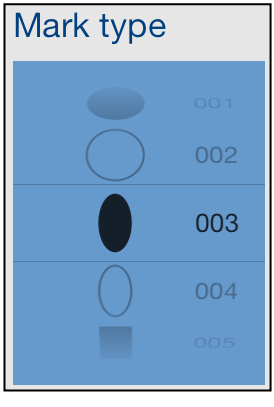
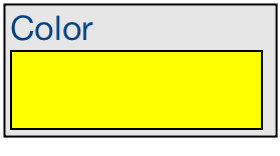
This view is used for adjusting of properties of hour marks.

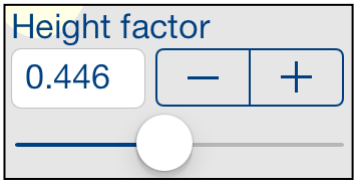
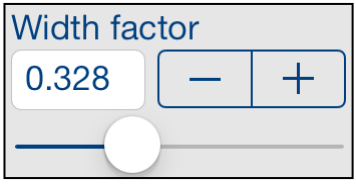
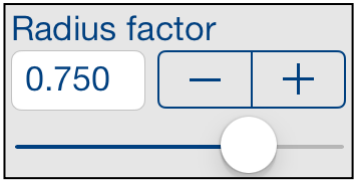
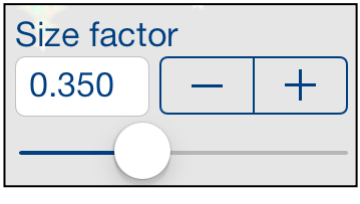
View is activated by tapping on any hour mark or by using Select property view.



Dependent on mark type, different sets of control will be shown.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Picker for selecting of mark type. There are 708 different mark types to choose: • Circles • Ellipses, • Squares • Rectangles • Stars • Graphical symbols • Apple Color Emoji
	Tapping on it activates Color picker for hour mark.

	Slider and stepper used for adjusting of Hour mark height factor.
	Slider and stepper used for adjusting of Hour mark width factor.
	Slider and stepper used for adjusting of Hour mark radius factor.
	Slider and stepper used for adjusting of hour mark size factor – relation of hour mark size to clock radius. Slider and stepper are used when height and width of hour mark are scaled proportionally – “Size factor controls” are shown instead Height factor controls and Width factor controls.

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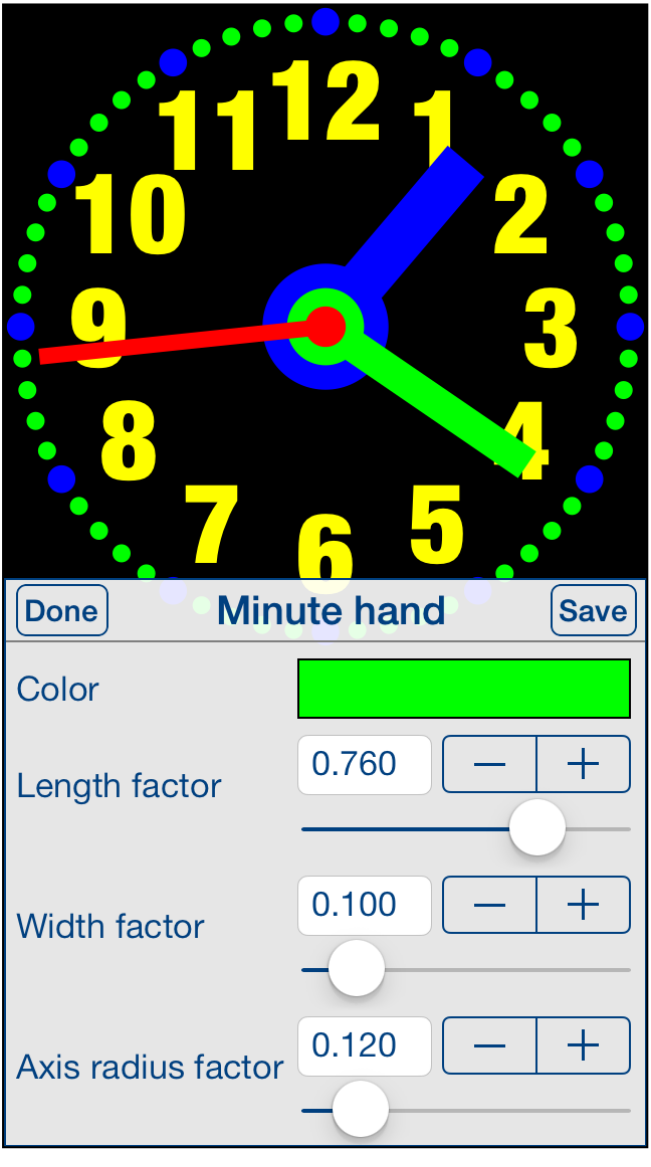
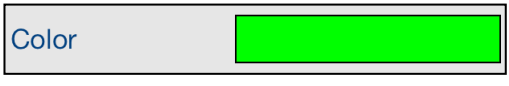
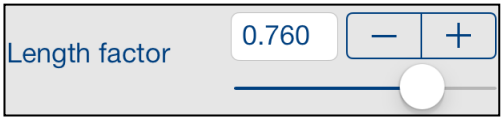
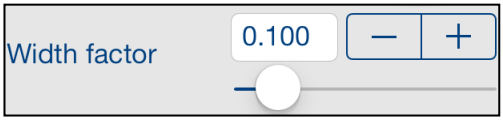
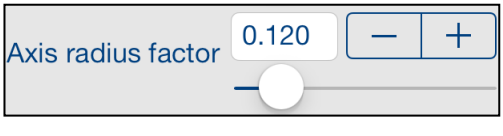
4.7 Minute hand



This view is used for adjusting of properties of minute hand.

View is activated by tapping on minute hand or by using Select property view.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Tapping on it activates Color picker for minute hand.
	Slider and stepper used for adjusting of Minute hand length factor.
	Slider and stepper used for adjusting of Minute hand width factor.
	Slider and stepper used for adjusting of Minute hand axis radius factor.

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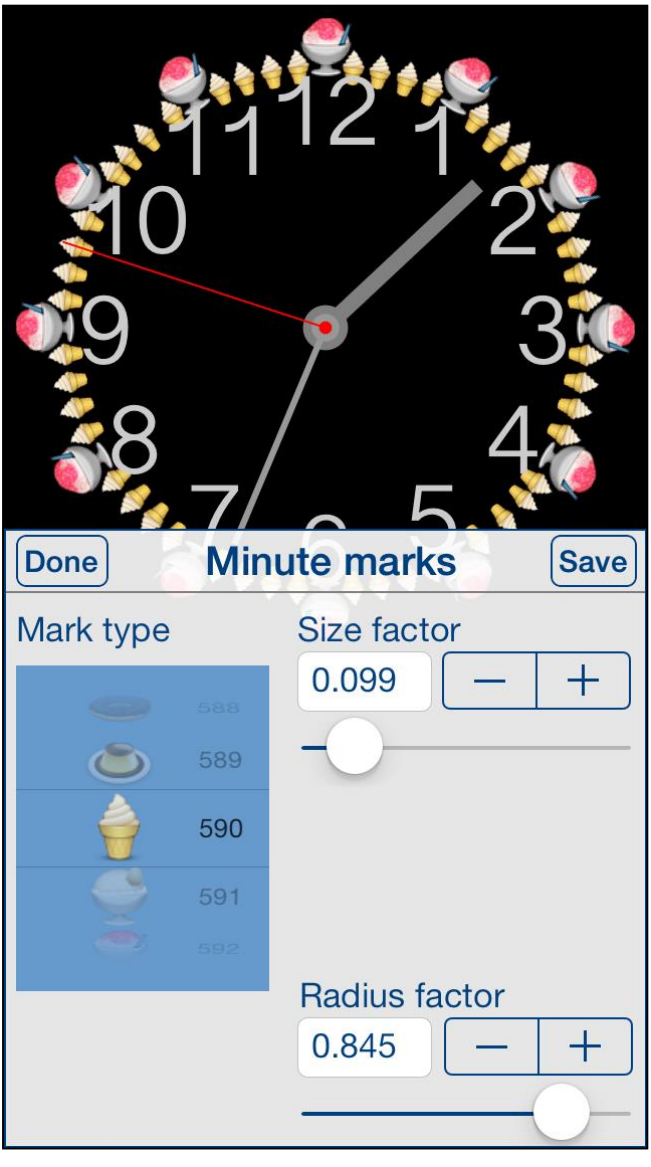
4.8 Minute mark



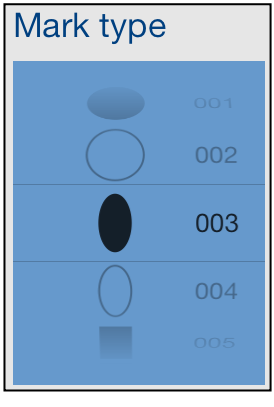
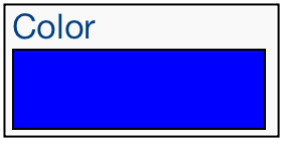
This view is used for adjusting of properties of minute marks.

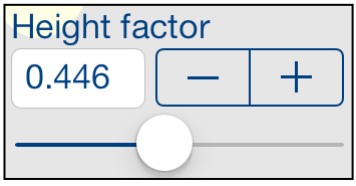
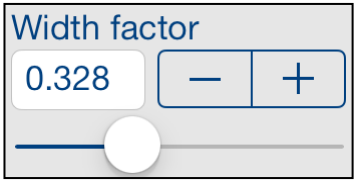
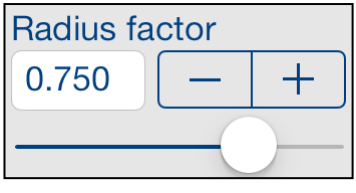
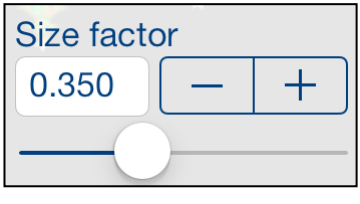
View is activated by tapping on any minute mark or by using Select property view.



Dependent on mark type, different sets of control will be shown.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Picker for selecting of mark type. There are 708 different mark types to choose: • Circles • Ellipses, • Squares • Rectangles • Stars • Graphical symbols • Apple Color Emoji
	Tapping on it activates Color picker for minute mark.

	Slider and stepper used for adjusting of Minute mark height factor.
	Slider and stepper used for adjusting of Minute mark width factor.
	Slider and stepper used for adjusting of Minute mark radius factor.
	Slider and stepper used for adjusting of minute mark size factor – relation of minute mark size to clock radius. Slider and stepper are used when height and width of minute mark are scaled proportionally – “Size factor controls” are shown instead Height factor controls and Width factor controls.

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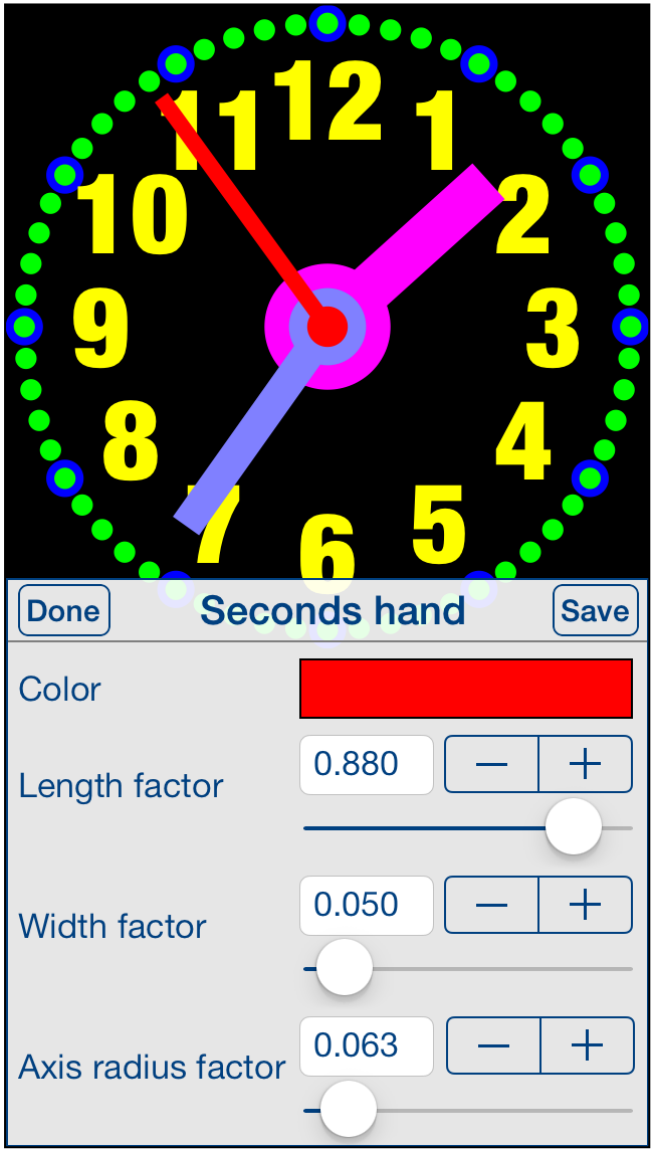
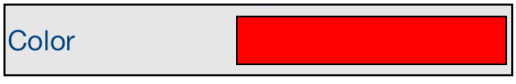
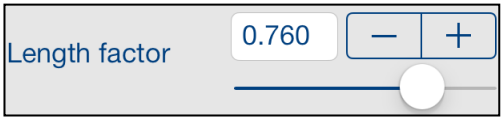
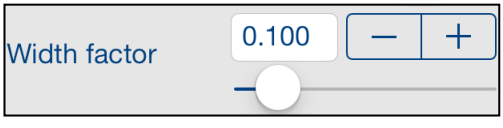
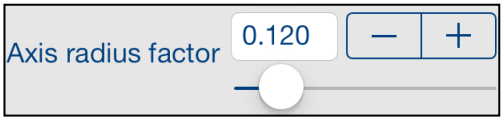
4.9 Seconds hand



This view is used for adjusting of properties of seconds hand.

View is activated by tapping on seconds hand or by using Select property view.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Tapping on it activates Color picker for seconds hand.
	Slider and stepper used for adjusting of Seconds hand length factor.
	Slider and stepper used for adjusting of Seconds hand width factor.
	Slider and stepper used for adjusting of Seconds hand axis radius factor.

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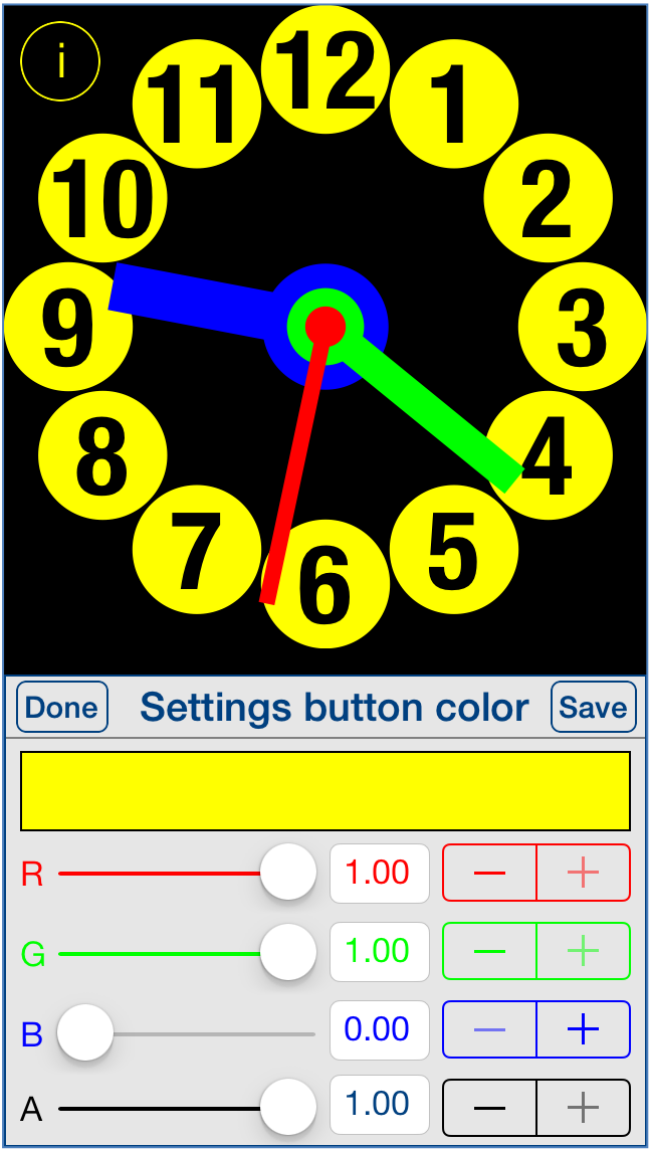
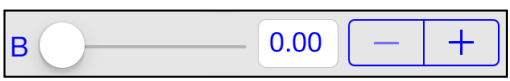
4.10 Color picker



This view is used for adjusting of selected color.

View is activated by tapping on visualization of color you want to change or inspect.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Visualization of color.
	Slider and stepper used for adjusting of red component of color.
	Slider and stepper used for adjusting of green component of color.
	Slider and stepper used for adjusting of blue component of color.

	Slider and stepper used for adjusting of opacity value of color.

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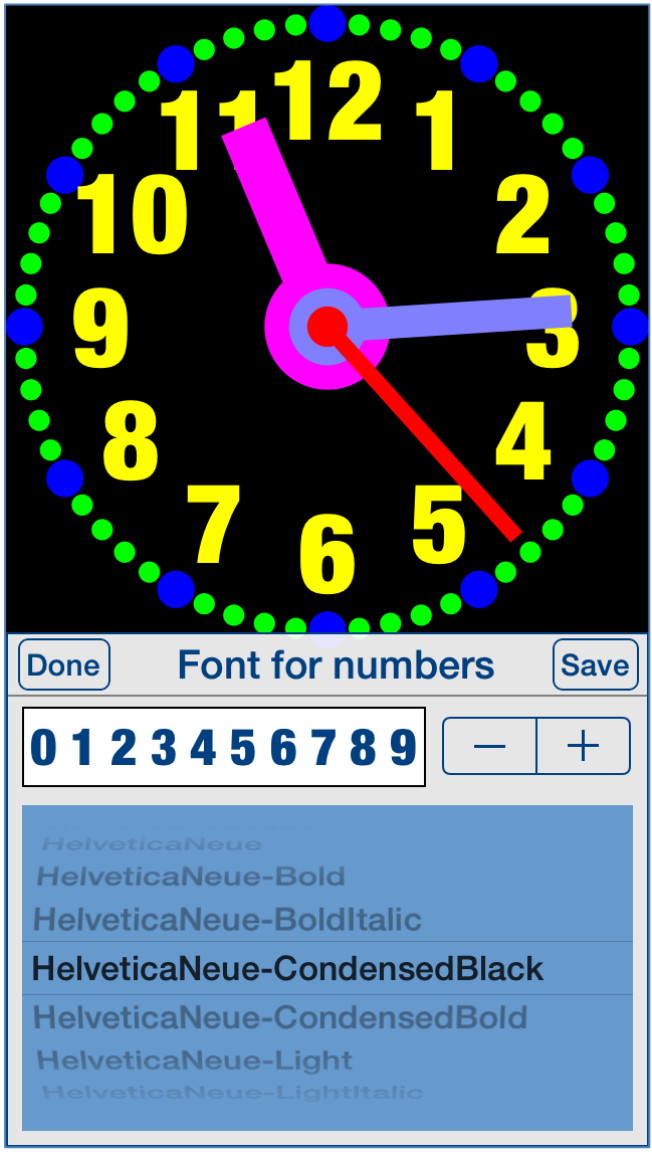
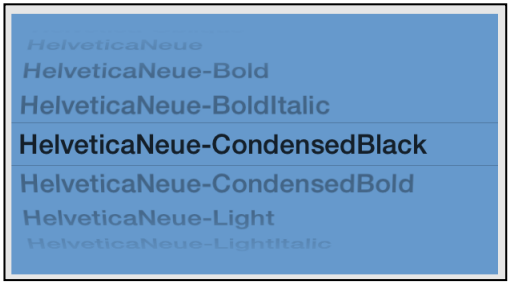
4.11 Font picker



This view is used for selecting of clock numbers font.

View is activated by tapping on font name in corresponding view.

Controls in this view:

	Terminate view without saving. When changes were made, user will be prompted for decision what to do by showing the Data has changed alert.
Tapping on any place outside the view.	Same as Done-button.
	Save data and terminate view.
	Visualization of selected font and stepper for selecting of previous/next font.
	Picker for selecting of font name.

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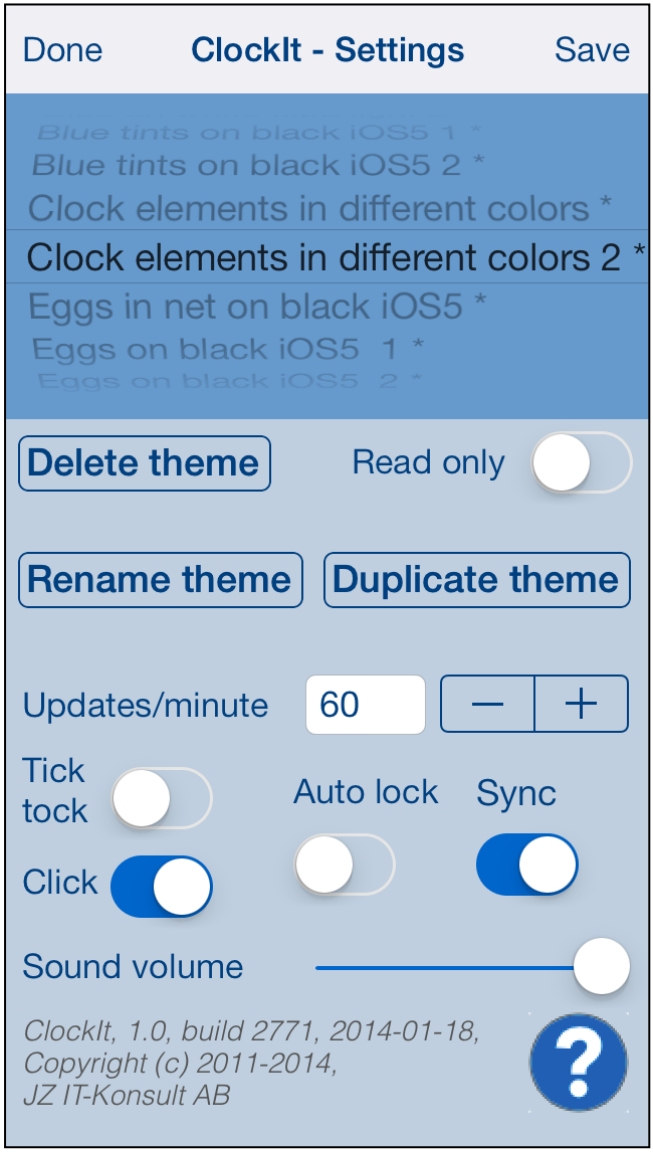
5. Settings view



This view allows you to configure system parameters and settings. From this view you have also access to Help view.

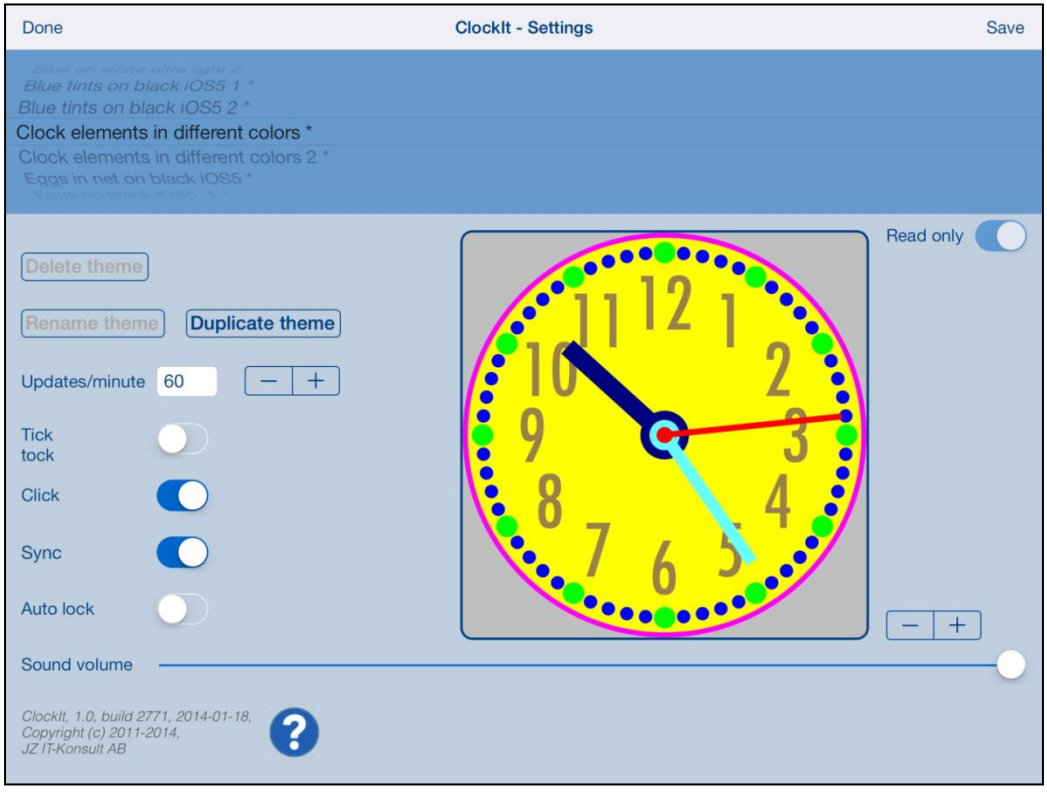
In this view you can select active clock theme and adjust settings common for all themes.

Here you can also do some maintenance of themes – rename, delete and duplicate of themes.

On iPad, iPhone 6 and iPhone 6 plus Settings view contains two more elements:

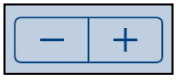
- visualization of selected clock theme
- clock theme stepper:

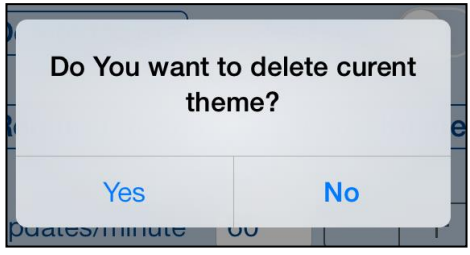
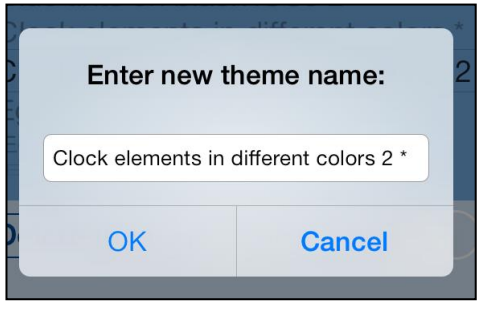
:

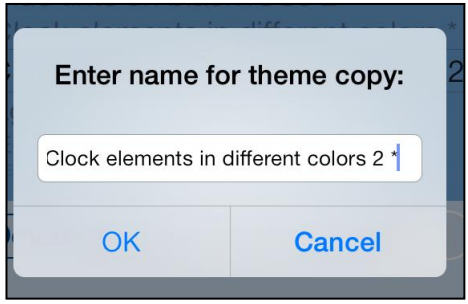


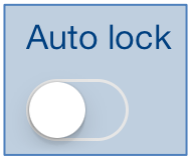
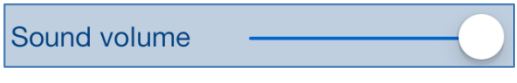
Here is detailed description of controls available from Settings view:

Done	Terminate view without saving of data. When changes were made, user will be prompted for decision what to do by showing Data has changed alert.

Swipe to the right	Same as Done-button.
	Save data and terminate view.
	Show Help view.
	Theme picker – used for selection of active clock theme.
	Theme picker – used for selection of active clock theme.
	Read-only indicator for theme.

Delete theme	Button activates deletion of theme. To delete theme tap “Yes”: 
Rename theme	Button activates renaming of theme. Enter new name and confirm it by tapping on “OK”: 
Double tap on Theme picker.	Same as Rename-button.

Duplicate theme	Button activates duplication of theme. Enter name for new copy and confirm it by tapping on “OK”: 
Updates/minute 60 − +	Determines frequency of clock update. When frequency is 1 update/minute seconds hand is not shown. When you chose higher update frequency the seconds hand will move more smoothly.
Tick tock	Activates/deactivates clock “tick-tock” sound. When activated clock tick-tocks every second.

	Activates/deactivates “Auto lock” of your iOS device. Use it with care – setting Auto-lock to off when iPhone/iPad is not connected to the charger will quickly empty device battery.
	Activates/deactivates of synchronization of all clock setting with iCloud. When deactivated only theme data is synchronized.
	Determines if “click” sound is used in app.
	Determines volume of sound effects of app.

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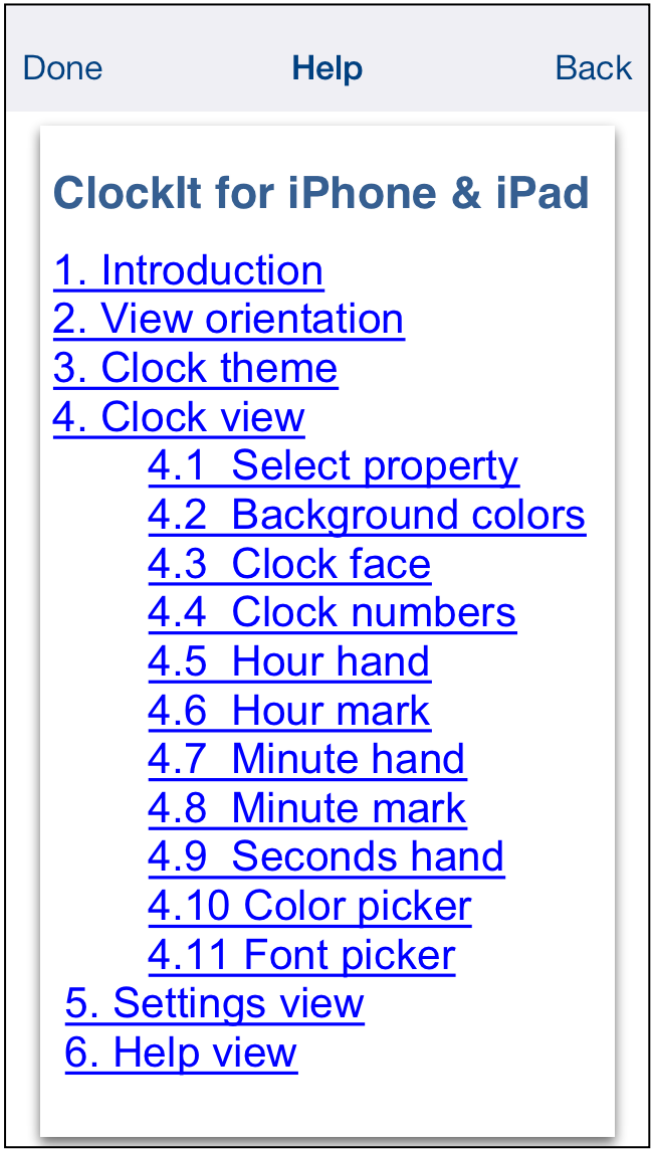
6. Help view



This view shows user guide for app.

Controls available in this view:

Done	Terminate view.
Swipe to the right	Same as Done-button.
Back	Navigate to previous place in help.

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