



## Blueprint Overview

- Full control over the layout, navigation and look of interface.
- Add information and controllable icons for equipment .
- Create unlimited screens with animated transition effects.
- Basic icons included; Support for creating custom icons.
- Overlay screen for common information on all screens.
- Pre-built components to simplify control of equipment.
- Editing mode can be disabled. Kiosk mode available.
- Controllable icons can be password protected.
- Easily clone custom interfaces between multiple iPads.
- Blueprint screen design and creation service is available.



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Custom Blueprint Screens  
Adding Items and Icons



# Adding and Manipulating Icons

Items and capabilities of configured equipment can be added to a Blueprint custom screen as icons. There are a number of ways these icons can be manipulated and customized.

- Place icons using the touch screen, a floating edit panel or manual values.
- Label color. Icon names can be set to: White, Gray, Black or Hidden.
- Custom label. Define custom text only used on Blueprint screen.
- Vertical stacking level. Place icons on top of other icons.
- Drop shadow. Add shadow to icon to increase visibility/contrast.
- Change icon images including 'no image' and custom icon graphics.
- Alignment grid available to help align icons across multiple screens.
- Icon status colors customizable at application and individual item level.
- Icons that control or change equipment can be restricted with passcode.



## Vertical Stacking Levels

Vertical stacking allows icons and special items to be reliably placed on top of each other.

- Blueprint screens consist of 5 layers for icons.
- Higher levels will always appear above lower levels.
- Overlay screen sits between levels 4 and 5. Icons in level 5 will be displayed above the overlay screen.
- Icons in level 5 ignore screen transitions. They always fade in/out to better integrate with the overlay screen.
- Top most icon will block the ability to touch underlying icon.



## Special Items

Some items added to Blueprint screens are unrelated to configured equipment but are necessary in creating functional custom screens.

- Static Text Label. Non-interactive, resizable text.
- Link to Screen. Switch between Blueprint screens.
- Static Image. Non-interactive, resizable image.
- Digital Clock. Non-interactive clock. Multiple display options.
- Notepad Link. Toggles display of electronic chalk board.
- External Link. Launch other applications on the iPad.



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# Custom Blueprint Screens

## Adding Backgrounds





# Background Image Specifications

- Both PNG and JPG formatted images supported.
- Image resolution should be 2048x1536 pixels.
- Images are loaded from the Photo Album.
- Optional image creation service is available.



## Background Options

- Image. A PNG or JPG image loaded from the Photo Album on the device.
  - PNG images support transparency; JPG does not.
- Color. A solid color background. Visually pick any color, manually enter RGB values or specify no color.
- Edit. A basic editor allows images to be resizing and repositioned.
- Cloud. Download background images created as part of our optional background creation services.





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# Custom Blueprint Screens Using Overlay Screens



## Using Overlay Screens

Creating functional multi-screen interfaces often requires the creation of a navigation system between screens.

Creating this manually results in a lot of duplicate items and precision alignment to eliminate visual artifacts.

- Overlay is displayed on top of all other screens.
- Is not animated during screen transitions.
- Icons on other screens can optionally appear on top of the overview by using the 'Vertical stacking' option.
- The 'Alignment grid' feature can help to align objects that exist on different screens and the overlay.



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Adding New Screens



# Transitions Between Screens

When using multiple screens there are a number of animated transition effects that can be applied.

- Snap Change. Instant change with no animation.
- Cross Fade. Fade out the current screen while fading in new screen at the same time.
- Grow. Enlarge new screen from the center of the icon touched.
- Shrink. Collapse current screen into the center of the icon touched.
- Slide In. Slide the new screen in from the Left/Right/Top/Bottom edge of the screen. Moves over the top of the current screen.
- Slide Out. Slide the original screen out of the Left/Right/Top/Bottom edge of the screen. Exposes new screen underneath.
- Push. Slides both the original and new screens at the same time toward the Left/Right/Up/Down edge of the screen.



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Custom Blueprint Screens  
Creating Custom Icons



## Custom Icons

Import your own custom graphics to create unique icons. Custom icons support the same dynamic changes available in built-in icons.

- Icon images should be square and between 128-384 pixels.
- Three icon types: Normal, Zone and Automatic
  - Normal. 2 images. on/active and off/inactive states.
  - Zone. 4 images. Used for status of alarm system zones.
  - Automatic. 1 image. A single grayscale image is dynamically colored based on status colors defined.





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Pre-buit Components



## Pre-built Components

Some functionality requires complex interaction. These are provided as pre-built interfaces to simplify screen setup which can be added, moved and resized as a single unit.

- Arming keypads for alarm partitions.
- Favorites screen.
- Item capability lists.
  - Alarm Zones, Lights, Variables, Outputs, Tasks, etc.
- Thermostat control.
- Audio zone control.



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Custom Blueprint Screens  
Reliable Operation



## Reliable Operation

Reliable operation over a long period of time is critical to custom screens. Custom screens are often run continuously on dedicated, wall mounted iPads.

- iPad Kiosk mode. Leverages iOS guided access.
- Disabling editing mode. Disabled in iOS Setting app.
- Password restrict configuration screen access.
- Nightly restart. Automatic application restart at 2am.
- Inactivity timeouts. Switches back to start screen.
- Inactivity screensaver. Dims screen brightness 50%.



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Custom Blueprint Screens  
Restricted Access



## Restricted Access

For custom screens mounted in public locations, the control of certain equipment items often needs to be limited.

- Unique codes can be assigned to each item.
- Code is required to control or change item.
- Successful authentication is cached for 10 seconds.





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Custom Blueprint Screens  
Simplifying Screen Creation



# Cloning Custom Screens

Creating custom screens can take time. Multiple options minimize the re-creation both within the custom screens and across multiple tables.

- Custom screens can be cloned.
- Configuration backup functionality to create encrypted archive of configuration and customizations.
- Email backup files as attachments.
- Direct sharing between devices on the same network.



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Custom Blueprint Screens  
Design and Creation Services



## Design and Creation Services

For scenarios where help creating custom screens is needed. We offer a number of optional services to assist. Background Images, Interface Design and Full Creation services are available.

- Work is fixed price. Items required to generate a quote.
  - Raw floor plan or interface concepts. Image files are adequate.
  - Equipment info to understand scope. Overview text or brief phone call.
- Background Image. Results provided as high resolution PNG images ready for use in Blueprint designs.
- Interface Design. Results provided as a archive of images and graphical elements ready for use in creating Blueprint screens.
- Full Creation. Remote access to equipment is required. Results provided as a configuration backup ready to be restored to iPads.



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