Dynamic Touch

User Guide

Advanced lighting controls made easy

Version 1.3
Background

Philips Dynalite is a highly specialized company whose principal occupation is to provide ‘cutting edge’ solutions for lighting control. Our achievements have been recognized worldwide and Philips Dynalite is generally the system of choice for projects involving integration with third-party vendor’s equipment and for large-scale applications.

Philips Dynalite’s philosophy is to provide the best solution possible for each and every project. This is the key to our success. Our considerable investment in Research & Development ensures that we remain at the forefront of our industry. Our position as a world leader in lighting management systems for the future is sustained through our total commitment to innovation.

We are represented around the world by distributors and dealers who are handpicked for their ability to provide the highest possible level of service.

From a stock exchange in Shanghai, to a luxury resort in Dubai, a smart home in Sao Paulo to limestone caves in New Zealand, Philips Dynalite’s innovative solutions deliver intelligent light.

Ongoing research and development has enabled Philips Dynalite to create secure automated systems that control tens of thousands of individual light fittings in high-rise office buildings from any location anywhere in the world. Our networks are engineered to deliver instant notification of power or system failure, and report via a LAN, internet, or through an SMS gateway to a mobile phone. This provides the assurance necessary in applications where continuous operation is vital, such as road tunnels, computer servers or cold storage units.

Philips Dynalite’s modular product design philosophy also improves system flexibility. Through this approach, specific application requirements can be accommodated with greatly reduced lead times. As an industry leader Philips Dynalite is committed to creating superior lighting control and energy management systems, setting new benchmarks in performance and efficiency.

In receiving the International Association of Lighting Designers award for Most Innovative Product, the Philips Dynalite control system has been independently recognized as ‘A user friendly and sensible modular approach, which takes it from sophisticated domestic settings to large architectural spaces’.
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About this guide

Guide Overview

This guide is designed to assist in the configuration of Dynalite control devices.

A working knowledge of Apple® devices is required to effectively use this document. Refer to apple.com for general operating instructions. For more information on Dynalite commissioning processes, consult the EnvisionProject Quickstart Guide or EnvisionProject User Guide.

Disclaimer

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Document Revision C
Congratulations! You can now access your lighting system and control facilities from your hand-held Apple® device using the DynamicTouch app from Philips Dynalite.

Philips Dynalite DynamicTouch is an intuitive and easy-to-use app with advanced control functionality. It is ideal for smart-home and commercial control applications. The app complements traditional methods of managing sophisticated lighting automation and control technologies permitting control system elements to be accessed anyplace, anytime; all from your iPhone®, iPod touch® or iPad®.

With Dynamic touch, you can walk around with your own hand held user interface and change the feel of any room. DynamicTouch allows you to:

- adjust and save preset levels
- display current conditions
- run task-specific customized macros
- control third-party equipment

The use of DynamicTouch is not limited to lighting control. Third-party controls for security, audio visual equipment, blinds and temperature can also be accessed once they are interfaced with the Philips Dynalite system, thereby consolidating the control system functionality—one app to manage all controlled facilities at the office, in the restaurant, at the conference center, or in the home.

DynamicTouch delivers on-site flexibility as your Apple® device can be used as a hand-held remote control or placed in a wall-mounted cradle and used as a touch screen. This multi-functionality can potentially reduce the total cost of deploying a control system, putting it within reach of a wider range of businesses and homeowners.

At a glance

- Permits home or office control via iPhone, iPod Touch or iPad
- Single point for controlling lighting and facilities at multiple locations
- Commands up to 255 areas with multiple channels and presets for each area
- Easy-to-use hand-held remote or wall mounted touchscreen
- Reduces potential cost of smart home or office system deployment
Functionality

DynamicTouch provides the following functionality:

- **Control pages**
  - Use virtual control pages to control your system
  - Switch between portrait and landscape modes
  - Program channel levels for presets

- **Project**
  - Create different projects for all your control systems
  - Connect to your network
  - Define Areas and Channels
  - Backup your projects
  - Import/export projects to other devices

- **Pages**
  - Create multiple control pages
  - Design the layout, look and feel of your control pages
  - Add dynamic text, buttons, sliders and backgrounds
  - Set functions of buttons and sliders
  - Define the control page structure

- **About**
  - Lists control system requirements
  - Displays Open Source licensing information
  - Displays app version number

**Note:** DynamicTouch is not a configuration tool. It is designed to provide a powerful user interface to any commissioned Philips Dynalite system.

Scalability

DynamicTouch lets you to create any number of scalable and flexible control pages for anyone to use. Each project can support:

- 255 Areas
- 32 Presets per Area
- 32 Channels per Area
- 32 pages
- 255 Buttons per page
- 32 Sliders per page
- Up to 255 total objects (Buttons, Sliders, Text) per page
DynamicTouch Operation

App Setup

Before using DynamicTouch

Philips Dynalite DynamicTouch requires the following hardware setup:

- The lighting and other devices you wish to control must be under the management of a Philips Dynalite control system.
- There must be a Philips Dynalite Ethernet gateway (eg 100BT) in the control system configured for HTTP, TCP or UDP access.
- The Ethernet gateway must be connected to a wireless router.

The button in the app displays this information and the app version.

For more information refer to www.philips.com/dynalite and select User Interfaces from the Products menu

Running the app

After DynamicTouch has been downloaded from the App store it will appear as an app icon.

Touch the D.Touch icon to launch the application.

Wireless Connection

DynamicTouch remembers previously connected Wi-Fi networks. So when DynamicTouch first opens up, a message will pop up warning you that a network is not available. This message can be cancelled until a network connection is added.

Touch the Cancel button.

For more information refer to Network Connections.
Once the network message is cleared DynamicTouch starts in operating mode and displays the default page. The following default values are used for each new project:

- Four areas
- Four channels per area
- One portrait and one landscape page set to default area number 1
- Four sliders and one program preset button on the landscape page
- Four buttons on the portrait page set to the default presets

<table>
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<tr>
<th>Default Preset</th>
<th>Channel Level</th>
</tr>
</thead>
<tbody>
<tr>
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<td>100%</td>
</tr>
<tr>
<td>2</td>
<td>70%</td>
</tr>
<tr>
<td>3</td>
<td>40%</td>
</tr>
<tr>
<td>4</td>
<td>0%</td>
</tr>
</tbody>
</table>

### App Interface

**Using the controls**

In operating mode, the DynamicTouch provides a number of control pages containing touch sensitive buttons and sliders that act as virtual controls for your lighting and control system.

Each page can be swiped left or right to reveal the next or previous page. Two types of pages can be defined:

- Portrait
- Landscape

Changing the orientation of the phone switches between the two page types.

**Note:** Although, the same default Area and Channels are used by each page type, portrait and landscape pages can be designed with independent functionality and layout. Each page type can be enabled and disabled on the Page Properties screen.

DynamicTouch can be used by all occupants; however, to setup a DynamicTouch project you need an understanding of the layout of your control system. You can use the EnvisionProject software from Philips Dynalite to provide a list of the logical Areas, Channels, Joins and Presets in each area. This will help you to decide which control pages to setup in DynamicTouch.
The portrait page contains four buttons by default. However it can be configured to contain any number of button slider and text elements. Touching a button on the control page triggers the actions defined for the button. For example, currently the “Evening” preset is selected in the page shown.

The name of the control page currently being viewed is printed at the bottom of the page. For full system control usually one virtual control page is configured for each area in your system.

The Wi-Fi connection status is indicated by the following icons in the top left corner.

- Network Connected via TCP
- Network Connected via UDP
- Network Connected via HTTP
- Network disconnected

Touching the project properties icon accesses the project’s configuration screens.

If the landscape option has been enabled for the control page, the sliders for the different lighting channels will be shown when the Apple® device is turned on its side. Levels can be adjusted by simply touching the slider handle and the moving it up or down.

If there is a Program button on the screen, touch the Program button to save the newly edited levels to the currently selected preset.

You may be asked to confirm your change to the preset levels. If you are sure you want to save the current levels to the existing Preset select the yes button at the prompt otherwise select the no button.

This change cannot be undone once it has been accepted.

Touch the project properties icon to begin configuring the app.

Refer to Project Configuration section
Project Configuration

Project Setup

Before starting a new project in the DynamicTouch you need to be aware of the configuration of your control system.

To identify your control system configuration you can use the EnvisionProject software from Philips Dynalite to provide a list of all the logical Areas, Channels, Joins and Presets within each Area. This will help you to decide which control pages to setup in DynamicTouch.

Once you have identified the Areas, Channels and Presets in your project you can start configuring DynamicTouch.

For more information refer to the EnvisionProject User Guide

Create a new project

Touching the properties icon displays the Project Properties page of the DynamicTouch project you are creating.

This page displays the project information including the title of your Project.

You can display the Project Properties page for your project anytime by touching the project properties button in the bottom left corner.

You can select the following functions:

- Name your project
- Define your areas and edit areas
- Set your panel type

Name your project

The project name is used to identify the project when performing project management functions such as selecting a project.

Touch the Name field (New Project) and enter a relevant name for your New Project.

**Note:** It is good practice to place a version number at the end of the project name.
Define your areas

Touching the Areas field displays the Areas screen. The Areas screen allows you to add new Areas and edit or delete existing Areas in the project.

➢ Select an Area to display the Edit Area screen.

OR

➢ Touch either or to insert a new area.

OR

➢ Swipe the Area field right-to-left for the option to an Area in DynamicTouch.

Edit areas

Touching the Area Name field displays the Edit Area screen.

From the Edit Area screen you can edit the logical properties for the area:

- Choose the Area
- Name the Area
- Add Channels
- Name Channels
- Add Presets
- Name Presets

Step 1

➢ Choose the Area

1. Touch the Area Number field to change the area to be controlled.
2. Select the area number that matches an area in your system that you want to control. Only one area number can be chosen.

Step 2

➢ Touch the text in the Area Name field to enter the name of the area. For example, 'Kitchen'.
Step 3

Touching the text in the Channels field displays the Channels screen

➤ Touch the plus sign to insert a new Channel.

OR

➤ Swipe a Channel field right-to-left for the option to delete the Channel.

Step 4

➤ Touch the text in each Channel field to enter a meaningful name that will help in identifying each Channel. For example, this screen shows some possible Channel names.

Note: You can use the same Channel names as those already defined in your system configuration.

Step 5

Touching the text in the Presets field displays the Presets screen

➤ Touch the plus sign to insert a new Preset.

OR

➤ Swipe the Preset field right-to-left for the option to delete the Preset.

Step 6

➤ Touch the text in each Preset field to enter a meaningful name that will help in recalling each preset scene. For example, this screen shows some possible preset names.

Note: You can use the same Preset names as those already defined in your system configuration.

Step 7

➤ Touch to return to the Edit Area screen.
Repeat steps 1 to 7 for each area in your system that you wish to control.

Once complete, touch Back in the top left corner to return to the Project Properties page.

Set your panel type

There are three virtual user interfaces to choose from:

- Revolution
- Philips UI
- Light Style

Note: backgrounds, text, buttons and sliders can be customized using the Page Editor.

Step 1

Touch the Panel Type field to go to the Panel Type screen.

Now you can select which style of panel you would like to see when running the app.

Step 2

Touch the panel name to choose the panel style.

The style selected will apply to all the control pages within the project. However they can be customized later if required.
Network Connections

Connect to a network

From the Project Properties page you can select the local wireless network. The Network section allows you to connect to available Wi-Fi hotspots, so that DynamicTouch can communicate with the lighting and control network.

You can select the following functions:

- Enter IP Address
- Detect Network
- Enter Network Offset
- Enable Force Http

IP Address

➤ Enter the wireless gateway IP address

If you know the IP address of your DNG100BT wireless gateway then you can enter it directly. The DNG100BT should be configured to use TCP, UDP or HTTP; or if possible, all of them as it will fall back to HTTP if it can’t connect via the others.

Note: ensure that the DNG100BT is on the same subnet as your Apple device. Wireless routers/Access Points usually give out IP addresses within a certain range. For example: 192.168.10.1 to 192.168.10.100.

Detect Network

➤ Touch the Detect Network field to display the Connection screen.

Note: if wireless networks are not being detected go to settings and turn Airplane Mode on and then off to refresh the Wi-Fi settings.
Connect to a network

The connection page displays, showing the available Wi-Fi networks via their name or IP address.

- Select the required network from the list.

- Touch \( \text{Back} \) in the top left corner to return to the Project Properties page.

Network offset

The network offset modifies the DyNet address between the DyNet trunk network and the DyNet spur network. In most instances where the DNG100BT is simply connected to the DyNet spur, the value for this field should be zero.

Force http

If other protocols are blocked by your firewall then http is the most likely to connect. However, http currently can’t be used with network offset.

Setting Fade Rates

This section allows you to set the default fade rates when changing between presets or levels.

You can select fade rate for:

- Presets
- Sliders

Presets

- Touch and slide the handle to set the fade rate between presets in seconds.

Sliders

- Touch and slide the handle to set the fade rate between levels in seconds.
Project Management

The project management section provides functions to:

- Select your project
- Save a copy of your project
- Import a project
- Export a project

In addition, the padlock icon in the top right corner enables you to password protect your project. Refer to Password Protection.

Select your project

Touching the Change Project field displays the Projects screen. The Project screen lets you select the project that is controlled by the app.

The app can control multiple sites by changing the active project.

Touch the project name to select the required project. A ✓ tick is placed next to the active project.

OR

Touch the + plus sign to insert a new project.

OR

Swipe the project name right-to-left for the option to Delete a project.

Touch Back in the top left corner to return to the Project Properties screen.

Save a copy of your project

Touching Save Copy of Project field will make a backup copy of the project.

It is recommended to make a backup copy before making any significant changes to your project in case you need to revert back to the original project. The copies are prefixed with the words “Copy of”.

Note: these copies are only saved in your device and are not visible in iTunes.
Import a project

To transport projects between Apple devices you can use the import and export functions. Touching the Import Project field displays the Import Projects screen.

Touch the project name to select the required project. A tick is placed next to the project to be imported.

Note: if you would like to use the same project on the iPhone/iPod touch and the iPad then it is recommended to create the project on the smaller device first then import it to the iPad. This allows the configuration information to be added and viewed before resizing any graphic elements to fit the larger iPad screen.

Touch Back in the top left corner to go back to the Project properties screen.

The project is imported and made active.

Export a project

Touching the Export Project field exports the project as a document that can be loaded into iTunes.

Note: A backup of your project is automatically exported when you enable password protection. This allows you to save your (unprotected) project in iTunes. If you forget your password you can import the original project.
Projects can be backed up using iTunes and then emailed or moved to another device.

Ensure the device is connected to the computer. In iTunes, click your device name then click the apps section.

When you synchronize your device with iTunes your exported project will appear under Apps as a DynamicTouch Document.

Enter a password for the project:

1. Touch the Password field and enter your password
2. Touch the Confirm field and enter your password again

Both fields will display a tick if the passwords match

Touch Back in the top left corner to go back to the Project Properties screen.

The Project Properties screen will show a locked padlock icon when a password is active.

Touch the locked padlock icon to remove the password.

Note: passwords are case sensitive. Beware of automatic first letter capitalization.
Control Page Design

Create Control Pages

Virtual control pages

With DynamicTouch you can create an intuitive interface with each project that you setup.

DynamicTouch enables you to create control pages that act as a user interface for any Philips Dynalite system. You can setup multiple control pages and add any combination of multifunction buttons or sliders to control your lighting/networked devices, adjust Individual lighting levels and recall them at a later date.

Select from any of the following features:

- Multiple background graphics
- Pages for both landscape and portrait views
- Twenty different Button styles available
- Two Slider styles available
- Editable text and a range of fonts and text color options
- Active and inactive states for each button

Use the list of logical Areas, Channels and Presets in your control system to setup your control pages. The following commissioning information can be entered:

- Number of Areas
- Area Names
- Number of Channels
- Channel Names
- Number of Presets
- Preset Names

Once you have entered the commissioning information into your project, you can then create the control pages and buttons/sliders/text on each page.

A control page is usually created for each area in your system. You can reduce the number of panels by inserting buttons to control different areas onto a single page. However this may make your page look more cluttered. Or you can create simpler pages but have more of them.
Inserting Pages

Touching the Pages button in DynamicTouch displays the Pages screen where you can configure all the control panel pages in your project.

When the pages screen is first displayed, the name of the default area is initially shown as the page name.

The Pages screen allows you to insert new pages and edit or delete existing pages in the project.

➢ Select a page to display the respective Page screen.

OR

➢ Touch the + plus sign to insert a new page.

Or

➢ Swipe the Page field right-to-left for the option to delete the page.

➢ Touch Edit to display the Edit Sequence screen. Refer to Page Sequence editing.

Page configuration

Touching a page name displays the Page screen. From the Page screen you can configure the options for each control page. The Page screen contains the following sections.

- Page Properties
- Portrait Pages
- Landscape Pages
- Page Actions
Page Properties

You can select the following functions:

- Enter page title
- Set default area
- Select poll period

Enter page title

Touch the text in the Title field to enter the name of the area. For example, Foyer. Usually the Page name will be the same as the Area that the page is controlling.

The page title is displayed at the bottom of the control page by default. The page will use the name of the default area if not changed.

Set default area

Touching the Default Area field displays the Area Selection screen.

Touch the Area name that this page will control by default. Only one default Area can be chosen.

Touch in the top left corner to return to the Page screen.

Note: selecting the default Area first will automatically give the page a title, if it hasn’t already been renamed.

Select poll period

Touching the Poll Period field displays the Poll Period screen.

Select how often the app checks the status of the Areas handled by the page from the listed options.
Portray Pages

You can select the following functions:

- Enable portrait page
- Edit portrait page

Enable portrait Page

Touch \( \text{ON} \) in the Enable field to make the portrait page visible when controlling the system.

Touch \( \text{OFF} \) in the Enable field to make the portrait page invisible when controlling the system.

Edit portrait Page

Touch the Edit field to display an editable layout of the portrait page.

Refer to Page Editor section

Landscape Pages

You can select the following functions:

- Enable landscape page
- Edit landscape page

Enable landscape Page

Touch \( \text{ON} \) in the Enable field to make the landscape page visible when controlling the system.

Touch \( \text{OFF} \) in the Enable field to make the landscape page invisible when controlling the system.

Edit landscape Page

Touch the Edit field to display an editable layout of the landscape page.

Refer to Page Editor section
Page Actions

A Page Action is an advanced feature that triggers an action when first navigating to a page and at every poll period while the page is displayed. Page actions are optional and not normally required.

You can perform the following functions:

- Insert new action
- Edit action

Select an action to edit.

OR

Touch + under Actions to insert a new action.

Or

Swipe the Action field right-to-left for the option to delete an action.

Step 2

Touching an action name displays the Action Properties screen. The fields displayed on the page will vary with the Action Type selected (Recall Preset displayed).

Touch the Action Type field to set the required action.

Note: actions are set to control the Page's default Area unless otherwise specified.

The Action Type screen is displayed.

Select the required action from the items in the list.

Touch in the top left corner to return to the Action Properties screen.
The Action Properties screen is displayed.

Touch each field to alter the properties of the action. The most common fields are:

- **Area**
  An Area is a logical group address for a number of channels.

- **Join**
  A one byte value (eight join bits) that allows specific channels to be included or excluded from logical messages.

- **Channel**
  A collection of loads, configured to operate as one logical group. There may be one or more Channels in an Area.

- **Preset**
  A pre-programmed scene affecting multiple channels in an area that is stored in the load controllers and can be recalled at any time.

- **Fade**
  The fade (of light level) will take the specified time to go from the current level to the destination level.

For specific field information refer to Action Types.

**Note:** You must be aware of the system’s commissioning settings to configure these actions.
The possible actions that can be selected are:

1. **Recall Preset**
   - Sets the Area’s Active Preset using the specified fade rate.
   - Status Only - disables the button but allows it to still display the active Preset on the button face.

2. **Request Preset**
   - Displays the Area’s Active Preset.
   - (Buttons automatically perform this action when changing Presets).

3. **Set Channel Level**
   - Sets the level using the specified fade rate for a single Channel in an Area.

4. **Request Channel Level**
   - Displays the level of a specific Channel on the virtual slider.
   - (Sliders automatically perform this action when changing levels).

5. **Program Preset**
   - Saves the Area’s Current Preset to the current level.

6. **Ramp Channel**
   - Gradually changes the selected Channel’s level in the direction selected using the percentage steps.

7. **Stop Fade**
   - Stop the fade at the current point.
8 **Change Page**
Changes the page being viewed to the selected page.
(not available as a page action)

9 **One Touch**
Toggles the Area’s Active Preset on each short press.
Toggle text can be edited to display when the OFF Preset is active.
With Ramping ON, alternates ramping up or down on each long press.
With Programming ON, saves the ramp level as the new ON Preset
(not available as a page action)

10 **Set Temperature Setpoint**
Sets the Area’s Temperature Setpoint

11 **Increment Temperature Setpoint**
Increments the Area’s Temperature Setpoint in 0.25°C (0.45°F) steps.

12 **Decrement Temperature Setpoint**
Decrement the Area’s Temperature Setpoint in 0.25°C (0.45°F) steps.

13 **Get Temperature Setpoint**
Displays the Area’s Temperature Setpoint

14 **Get Current Temperature**
Displays the Area’s Current Temperature
Page Sequence Editing

When swiping left or right, each control page is displayed in a certain sequence. With DynamicTouch you can edit the swipe sequence to:

- change the order of pages
- delete pages
- duplicate pages.

From the Pages screen touch Edit to edit the page sequence.

Change the order of pages:

1. Touch and hold the sequence button for the page that you would like to move.
2. Move the selected page up or down to re-order the list. The pages are displayed in the new order.

Delete pages:

1. Touch to the left of the page number that is to be deleted. The orientation of the icon changes and Delete is enabled.
2. Touch Delete to delete the page from the swipe sequence.

Note: Deleting a page from the sequence also deletes the page from the project.

To insert a new page refer to Create Control Pages section.
Duplicate pages:

1. Touch and hold the sequence button for the page that you would like to duplicate.
2. Move the selected page down to the duplicate page field.

A duplicate page is placed at the end of the swipe sequence list.

Touch **Done** when you are finished editing the swipe sequence to return to the Pages screen.
Editing Control Pages

Accessing the Page Editor

1. Touch "Pages"
2. Touch the page you want to edit from the Pages screen. The selected page displays.
3. Touch the edit field in the portrait section to edit the portrait control page

OR

4. Touch the edit field in the landscape section to edit the landscape control page

There are two control pages that can be edited for each default area:

- Portrait page
- Landscape page

The same procedure is used to edit both pages.
The Page Editor is where you can design the look and feel of your control pages. The Page Editor provides an editable view of your control page.

For each control page you can configure the following four elements:

1. Buttons
2. Sliders
3. Text
4. Background graphic

Selected elements are highlighted in bright blue

**Manipulating elements**

You can manipulate elements in the following ways:

- Touch an element to highlight the element (Highlighted elements have a bright blue border)
- Touch and drag an element to move the element
- Touch an element twice to open its configuration screen
- Touch and drag the background to scroll the page (an element needs to be highlighted)
- Touch the background twice to open its configuration screen

**Editing tools**

The toolbar in the Page Editor has following configuration buttons:

- ![ Adds a new element based on the highlighted element theme button
- ![ Exits the Page Editor and returns to the Page screen
- ![ Selects the button theme
- ![ Selects the slider theme
- ![ Selects the text theme
- ![ Touching the background opens the choose image screen
Deletes the highlighted element

Applies the layout rule to the highlighted element with respect to the focused element

Changes the element focus

Defines the layout rules

## Layout Properties

Touching `Layout` opens the Layout screen. The layout screen helps you to produce a tidy interface on the control page.

From the Layout screen you can define how control elements are positioned on the page when you touch `+` and `Apply Layout`

The Layout screen has the following layout options:

- Layout & Alignment
- Spacing
- Grid

### Layout & Alignment

When new elements are placed on the control page, they are positioned relative to an existing element. Using the Layout & Alignment fields, new elements can be placed either to the right or below an existing element.

- If elements are placed to the right of an existing element their tops will be in alignment.
- If elements are placed below an existing element their left sides will be in alignment.

### Layout

The settings in the Layout field apply the following rules:

- **Off** elements will use the rules according to the alignment setting
- **Right** elements are spaced according to the horizontal spacing setting
- **Down** elements are spaced according to the vertical spacing setting
Alignment

The settings in the Alignment field apply the following rules:

- **Off**: elements will use the rules according to the layout setting
- **Left**: elements overlap with left sides aligned, if Layout is off
- **Top**: elements overlap with tops aligned if Layout is off

**Note:** the Layout setting takes priority over Alignment setting

Spacing

This section allows you to adjust the horizontal and vertical spacing (in pixels) of elements applied when touching.

Touch and slide the horizontal or vertical handles to adjust the spacing between elements.

If there is not enough room to place the element correctly it will be placed in a new column (if layout is set to down) or row (if layout is set to right).

Grid

This section allows you to specify an invisible grid that elements will snap to when moved.

- Touch **ON** to enable snap to grid.
- Touch **OFF** to disable snap to grid.
- Touch and slide the horizontal or vertical handles to adjust the grid size.

**Note:** Be careful to ensure that grid size and layout spacing use similar numbers to ensure the control page looks professional.
Buttons

Create Buttons

➤ Create buttons:

1. Touch the Theme button
2. Select your preferred button theme
3. Touch to return to the Page Editor
4. Touch + to add a button

A new button is placed on the page according to the layout settings.

Delete Buttons

➤ Delete buttons:

1. Touch the required button to highlight it
2. Touch the recycle bin button

The highlighted button is removed from the control page.

Layout buttons

➤ Layout buttons:

1. Touch a button that is already correctly placed to highlight it
2. Touch the element focus button
3. Touch the button that you wish to align with the correctly placed button
4. Touch to place the highlighted button according to the layout rules

The button is moved to the correct position on the control page.

Configure Buttons

➤ Configure button properties:

1. Touch the button to highlight it
2. Touch the button again to open the Button Properties screen
Button properties

Buttons may be configured for one or more actions. Buttons can be used to request settings, to change settings or for navigating between pages.

For example you may create a button:

- to access a hidden page that is not in the swipe sequence
- that navigates to a duplicate page with a different background image
- that sends a preset message to trigger a task
- to turn a device ON or OFF

Button actions are the most widely used facility in DynamicTouch.

Each button can trigger one or more unique actions. For the list of actions refer to Action Types.

The Button Properties screen contains fields to:

- Write the Button name
- Select the button’s first action type
- Configure the first action
- Edit actions
- Select the normal button look
- Select the pressed button look
- Select overlay image, Color, Alignment and Depth

Name

Touch the Name field text to enter a name for your button. This Name will be displayed on the button face.

Button Action

Select the first button action:

1. Touch the Button Type field to open the Action Type screen
2. Select the required action
3. Touch Button to return to the Button Properties screen
Note: The parameters for the first button action will depend on the chosen action.

Edit Actions

This field will show 0 more Action(s) if there are no further actions configured for the button.

Touch the Edit action field to open the Actions screen

Refer to Edit Actions section

Normal/Pressed button states

You can specify the font and the color of the normal and touched button states

Font

Define font style and size:

1. Touch the Font field to open the Select Font screen
2. Touch ON or OFF in the Bold field to turn the bolding on and off
3. Touch ON or OFF in the Italic field to turn the italics on and off
4. Select the font from the available selections
5. Select the font size from the available selections
6. Touch Button to return to the Button Properties screen

Text Color

The Color field is used to define the font color.

Define font color:

1. Touch the Color field to open the Color Selection screen
2. Touch the colored area to select the color hue and saturation
3. Touch the shaded area at the bottom to select the luminosity
4. A sample of the selected color is displayed in the square at the bottom right of the screen
5. Touch Button to return to the Button Properties screen.
Button Overlay

Overlay Image

The Overlay Image field is used to add a standard control symbol to the button face.

Select Overlay Image

1. Touch the Overlay Image field to open the Choose Image screen

2. Select the button image from the available selections or Choose from Album

3. Touch to return to the Button Properties screen

Note: An overlay image should be a single color image with a transparent background. Non-transparent backgrounds will show up as the overlay color.

Define Overlay Color:

1. Touch the Overlay Color field to open the Color Selection screen

2. Touch the colored area to select the color hue and saturation

3. Touch the shaded area at the bottom to select the luminosity

4. A sample of the selected color is displayed in the square at the bottom right of the screen

5. Touch to return to the Button Properties screen
Overlay Alignment is used to define the horizontal position of the button image.

Select Overlay Alignment

1. Touch the Overlay Alignment field to open the Alignment screen
2. Select Left, Centre or Right
3. Touch to return to the Button Properties screen

Overlay Depth is used to define whether the overlay is in front, in line or behind the button text.

Select Overlay Depth

1. Touch the Overlay Depth field to open the Alignment screen
2. Select Above, In-Line or Below
3. Touch to return to the Button Properties screen
**Sliders**

**Create Sliders**

Create sliders:

1. Touch the Theme button
2. Select your preferred slider theme
3. Touch to return to the Page Editor
4. Touch the to add a slider

A new slider is placed on the page according to the layout settings.

**Delete Sliders**

Delete sliders:

1. Touch the slider to highlight the slider
2. Touch the recycle bin button

The highlighted slider is removed from the control page.

**Layout Sliders**

Layout sliders:

1. Touch a slider that is correctly placed to highlight the slider
2. Touch the element focus button
3. Touch the slider that you wish to align with the correctly placed slider
4. Touch to place the highlighted slider according to the layout rules

The slider is moved to the correct position on the control page.

**Configure Sliders**

Configure slider properties:

1. Touch the slider to highlight the slider
2. Touch the slider again to open the Slider Properties screen
Slider Properties

The Slider properties screen contains fields to:

- Select the Area
- Select the Join Levels
- Select the Channel

### Area

Select the Area controlled by the slider:

1. Touch the Area field to open the Area Selection screen
2. Select the required Area
3. Touch to return to the Slider Properties screen

### Join

Select the Join levels, if applicable:

1. Touch the Join field to open the Enter Join screen
2. Select the Join by touching or for each join bit
   The Hexadecimal and Decimal value is displayed at the bottom of the screen.
3. Touch to return to the Slider Properties screen

### Channel

Select the channel controlled by the slider:

1. Touch the Channel field to open the Channels Selection screen
2. Select the required Channel
3. Touch to return to the Slider Properties screen
Create Text

» Create text:

1. Touch the Theme button
2. Select your preferred Text theme
3. Touch Edit Page to return to the Page Editor
4. Touch the + to add text

The new text is placed on the page according to the layout settings.

Delete Text

» Delete text:

1. Touch the text to highlight the text
2. Touch the recycle bin button

The highlighted text is removed from the control page.

Layout Text

» Layout text:

1. Touch the text that is correctly placed to highlight it
2. Touch the element focus button
3. Touch the text that you wish to align with the correctly placed text
4. Touch Apply Layout to place the highlighted text according to the layout rules

The text is moved to the correct position on the control page.

Configure Text

» Configure text properties

1. Touch the text to highlight the text
2. Touch the text again to open the Text Properties screen
Text Properties

Text

The Text Properties screen contains fields to:

- Select the label type
- Write the text label
- Choose the font and font size
- Choose the Font color
- Select the text alignment

Label Type

The Label Type field is used to select the type of text object to be displayed on the control page. Text objects may be static text or dynamically updatable parameters such as current temperature, Area, Channel etc.

Select the Label Type:

1. Touch the Label Type field to open the Label Type screen
2. Select the required Label Type
3. Touch to return to the Text Properties screen
4. Touch to return to the Page Editor
The table below lists the type of text objects available and their appearance in the Page Editor and on the control page.

<table>
<thead>
<tr>
<th>Label type</th>
<th>Editor Page</th>
<th>Control Page Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text</td>
<td>Text</td>
<td>Text</td>
</tr>
<tr>
<td>Channel Value</td>
<td>Lev</td>
<td>0</td>
</tr>
<tr>
<td>Channel Name</td>
<td>Ch.Name</td>
<td>Channel 1</td>
</tr>
<tr>
<td>Current Preset</td>
<td>Pre</td>
<td>1</td>
</tr>
<tr>
<td>Preset Name</td>
<td>P.Name</td>
<td>Preset 1</td>
</tr>
<tr>
<td>Current Preset Name</td>
<td>P.Name</td>
<td>Preset 1</td>
</tr>
<tr>
<td>Page Name</td>
<td>Page Name</td>
<td>Area 1</td>
</tr>
<tr>
<td>Default Area Name</td>
<td>Default A.Name</td>
<td>Area 1</td>
</tr>
<tr>
<td>Area Name</td>
<td>A.Name</td>
<td>Area 1</td>
</tr>
<tr>
<td>Current Temperature</td>
<td>T</td>
<td>20.0°C</td>
</tr>
<tr>
<td>Temperature Set Point</td>
<td>SP</td>
<td>18.0°C</td>
</tr>
</tbody>
</table>

Label

The Label field is used to write the text that will appear on the control page.

Touch the text in the Label field to write the text you want displayed.
Font

Define font style and size:

1. Touch the Font field to open the Select Font screen
2. Touch ON or OFF in the Bold field to turn the bolding on and off
3. Touch ON or OFF in the Italic field to turn the italics on and off
4. Select the font from the available selections
5. Select the font size from the available selections
6. Touch to return to the Text Properties screen

Text Color

The Color field is used to define the font color.

Define font color:

1. Touch the Color field to open the Color Selection screen
2. Touch the colored area to select the color hue and saturation
3. Touch the shaded area at the bottom to select the luminosity
4. A sample of the selected color is displayed in the square at the bottom right of the screen
5. Touch to return to the Text Properties screen

Alignment

The alignment field is used to choose how text is aligned on the control page.

Touch to align the text along the left side
Touch to align the text along the center
Touch to align the text along the right side
Background

Each control page can have a unique background image. The image selection is only limited by your imagination. For example:

- A photo of the controlled area
- A photo or drawing representing the selected ambience or function
- A drawing of the floor plan
- An image that separates the controls into different groups

When integrated with a clever combination of background images and actions, DynamicTouch can be used as a remote control for a wide variety of home or office applications.

**Note:** Device images sizes are:

- 960-by-640-pixels for the iPhone/iPod touch
- 1024-by-768-pixels for the iPad

Images not in the above formats are automatically resized for the device.

Configure Background

To configure the Background properties:

1. Touch the background to remove the highlight from any other element
2. Touch the background again to open the Background Properties screen
Each control page must have a background image. The Background Properties screen contains fields to:

- Enter page title (refer to Page Properties)
- Set default area (refer to Page Properties)
- Select poll period (refer to Page Properties)
- Select the background image

Touching the Background Image field opens the Choose Image screen:

- Select the required image from the available selections

Or

- Select an image from the device

  1. Touch the “Choose from album” button to open up the Photo Albums screen of your Apple device
  2. Select the required image
  3. Touch to return to the Background Properties screen

**Note:** Both a landscape and a portrait view of each image may be selected.
Edit Actions

Select Actions

Touching the Edit Action field from the Button Properties screen opens the Select Actions screen. The Select Actions screen lets you choose more than one action to be attached to a single button. It is possible to add different actions or the same action multiple times but for different areas.

**Step 1**

- Select an action to edit.
- OR
- Touch + under Actions to insert a new action.
- OR
- Swipe the Action field right-to-left for the option to delete an action.

**Step 2**

Touching an action name displays the Action Properties screen. The fields displayed on the page will vary with the Action Type selected (Recall Preset displayed).

- Touch the Action Type field to set the required action.

Note: actions are set to control the default Area unless otherwise specified.

**Step 3**

The Action Type screen is displayed.

- Select the required action from the items in the list.
- Touch in the top left corner to return to the Action Properties screen.
The Action Properties screen is displayed.

Touch each field to alter the properties of the action. The most common fields are:

- **Area**
  An Area is a logical group address for a number of channels.

- **Join**
  A one byte value (eight join bits) that allows specific channels to be included or excluded from logical messages.

- **Channel**
  A collection of loads, configured to operate as one logical group. There may be one or more Channels in an Area.

- **Preset**
  A pre-programmed scene affecting multiple channels in an area that is stored in the load controllers and can be recalled at any time.

- **Fade**
  The fade (of light level) will take the specified time to go from the current level to the destination level.

For specific field information refer to Action Types.

**Note:** You must be aware of the system’s commissioning settings to configure these actions.
Actions Types

The possible actions that can be selected are:

1. **Recall Preset**
   Sets the Area’s Active Preset using the specified fade rate. Status Only - disables the button but allows it to still display the active Preset on the button face.

2. **Request Preset**
   Displays the Area’s Active Preset.
   (buttons automatically perform this action when changing Presets).

3. **Set Channel Level**
   Sets the level using the specified fade rate for a single Channel in an Area.

4. **Request Channel Level**
   Displays the level of a specific Channel on the virtual slider.
   (Sliders automatically perform this action when changing levels).

5. **Program Preset**
   Saves the Area’s Current Preset to the current level.

6. **Ramp Channel**
   Gradually changes the selected Channel’s level in the direction selected using the percentage steps.

7. **Stop Fade**
   Stop the fade at the current point.
8 Change Page
Changes the page being viewed to the selected page.
(not available as a page action)

9 One Touch
Toggles the Area’s Active Preset on each short press.
Toggle text can be edited to display when the OFF Preset is active.
With Ramping ON, alternates ramping up or down on each long press.
With Programming ON, saves the ramp level as the new ON Preset
(not available as a page action)

10 Set Temperature Setpoint
Sets the Area’s Temperature Setpoint
(in Celsius or Fahrenheit based on the device settings)

11 Increment Temperature Setpoint
Increments the Area’s Temperature Setpoint in 0.25°C (0.45°F) steps.

12 Decrement Temperature Setpoint
Decrements the Area’s Temperature Setpoint in 0.25°C (0.45°F) steps.

13 Get Temperature Setpoint
Displays the Area’s Temperature Setpoint

14 Get Current Temperature
Displays the Area’s Current Temperature