User Manual

Touch Screen

Document Release March 2012
Warranty

Leviton Manufacturing Co Inc. warrants this control touch screen to be free of material and workmanship defects for a period of two years after system acceptance or 26 months after shipment, whichever comes first. This Warranty is limited to repair or replacement of defective equipment returned Freight Pre-Paid to Leviton Lighting & Energy Solutions Division at PO Box 2210, Tualatin, Oregon 97062, USA. User shall call 1-800-959-6004 and request a return authorization number to mark on the outside of the returning carton, to assure that the returned material will be properly received at Leviton. All equipment shipped back to Leviton must be carefully and properly packaged to avoid shipping damage. Replacements or repaired equipment will be returned to sender freight prepaid, F.O.B factory. Leviton is not responsible for removing or replacing equipment on the job site, and will not honor charges for such work. Leviton will not be responsible for any loss of use time or subsequent damages should any of the equipment fail during the warranty period, but agrees only to repair or replace defective equipment returned to its plant in Tualatin, Oregon. This warranty is void on any product that has been improperly installed, overloaded, short circuited, abused, or altered in any manner. Neither the seller nor Leviton shall be liable for any injury, loss or damage, direct or consequential arising out of the use of or inability to use the equipment. This warranty does not cover lamps, ballasts, and other equipment which is supplied or warranted directly to the user by their manufacturer. Leviton makes no warranty as to the Fitness for Purpose or other implied Warranties.

Notice

Although the information contained within this user guide is believed to be accurate at the time of printing, it is not guaranteed to be without fault and is subject to change without notice. Future software releases may change the features or operation of this product. For current information contact:

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1. **Introduction**

Leviton’s DMX Touch Screen offers a fully flexible user interface to Leviton’s control systems. Implementing touch screen style controls allow for a multi-page user experience specifically tailored to your application. This product is manufactured for Leviton by Liteputer and as such you may find references to either throughout the product documentation.

1.1. **Features**

- Software for designing the customized touch screen interface.
- USB port or Ethernet connection, data download and remote monitoring.
- Built-in functions include backlight setting, sound setting, clock setting, digital photo frame, and password protection.
- Built-in loudspeaker.
- IR remote controller.
- 2W power consumption.
- DC 12V external power.

1.2. **Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>DC: 12V</td>
</tr>
<tr>
<td>Signal Output – EDX</td>
<td>EDX-485 (reference application diagrams for allowed cable types and wiring methods.)</td>
</tr>
<tr>
<td>Signal Output – DMX</td>
<td>DMX512/1990 (reference application diagrams for allowed cable types and wiring methods.)</td>
</tr>
<tr>
<td>Signal Connector</td>
<td>4 PIN green terminal</td>
</tr>
<tr>
<td>Connection Port</td>
<td>USB/Ethernet</td>
</tr>
<tr>
<td>RAM Memory</td>
<td>256MB</td>
</tr>
<tr>
<td>Screen Size</td>
<td>5.7 inch</td>
</tr>
<tr>
<td>Screen Resolution</td>
<td>320*240 pixels</td>
</tr>
<tr>
<td>Color</td>
<td>262K Colors</td>
</tr>
<tr>
<td>Screen</td>
<td>4-wire resistive touch panel</td>
</tr>
<tr>
<td>Size</td>
<td>8.47(W) x 5.51(H) x 1.54(D) inch</td>
</tr>
<tr>
<td></td>
<td>215(W) x 140(H) x 39 (D) mm</td>
</tr>
</tbody>
</table>
1.3. Port Introduction

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>USB Port</td>
</tr>
<tr>
<td>2</td>
<td>Ethernet Port</td>
</tr>
<tr>
<td>3</td>
<td>EDX Port – Used for communication between touch screens</td>
</tr>
<tr>
<td>3a</td>
<td>Common</td>
</tr>
<tr>
<td>3b</td>
<td>Data -</td>
</tr>
<tr>
<td>3c</td>
<td>Data +</td>
</tr>
<tr>
<td>3d</td>
<td>+12Vdc</td>
</tr>
<tr>
<td>4</td>
<td>DMX Port – Used for output to dimmers</td>
</tr>
<tr>
<td>4a</td>
<td>Common</td>
</tr>
<tr>
<td>4b</td>
<td>Data -</td>
</tr>
<tr>
<td>4c</td>
<td>Data +</td>
</tr>
<tr>
<td>4d</td>
<td>+12DC</td>
</tr>
</tbody>
</table>
1.4. Dimensions

Back Side

Installation back box included
Leviton Touch Screen

Front Side

Wall box
2. Installation

2.1. System Diagram
The diagram below shows you one typical installation

System Example #1
This system shows multiple touch screens interconnect via EDX which is useful when you need presets to be linked between controllers. As always, final output is via DMX to the load control devices.
System Example #2

*Shown is a basic system where DMX passes through a controller. Be wary however of this style of system as if the console is turned off, the touch-screen will not work. A better application would be the DMX outputs from the touch screen + console being merged at the NPC or other DMX merger.*

System Example #3

*This shows a basic system where the touch screen is the only controller.*
2.2. Hardware Installation
1. Rough In Back box
2. Terminate data wires (reference project application drawings)
3. Terminate power wires (reference project application drawings)
4. Apply power to touch-screen
5. Configure touch-screen from PC

3. Programmable Software

3.1. Features

Page
- The components in a page include button, label, bar, picture, clock and value. The style and function of these buttons can be configured with the software.
- The configurations can be transmitted from PC to the device by USB/Ethernet.
- The button component can include a photo (there are photo icons available in the software). The picture component can add a photo that the user selects and has text, shape and style options to choose from.

Timer
- 50 timers.
Leviton Touch Screen

**Built-in Functions**

- Clock setting (can be synchronized with PC).
- 3 Backlight settings (normal, turn off in 5 minutes, and turn off in 20 minutes).
- Voice setting (turn on/off screen tap sound).
- Schedule setting/Preview function.
- Password protection.

The above functions can be linked to the buttons on the page.

### 3.2. Software Installation

**Step-1** Copy the ECP-T04/TS005-D15 installation program from the CD to desktop as shown below.

![LEVITON Icon](image)

**Step-2** Double Click the icon

![Setup Wizard](image)

Select the default language from the list.

**Step-3** After language selection press Next, then press Next again.
Step-4 The license agreement will display, after reading, press Yes. Continue to press Next and the software will finish installing. Once installed a shortcut will appear on your desktop as shown below

3.3. Device Driver Installation

After the software has been installed, the next step is to install the device driver.

Step-1 After installing the software, copy the driver folder in C:\Program Files\Touch Screen\ECP-T04\Driver\ to the desktop

Step-2 Connect the device to your PC using a USB cable. The below dialogue box should appear
Leviton Touch Screen

Select "no, not this time"

Press Next

Select the driver folder on the desktop

**Step-3**  Press Next again

**Step-4**  Press finish and the driver is now installed
4. Programmable Software Introduction

4.1. Connection between Device and Programmable Software

When the user opens the software the screen should look like figure 1.

Figure 1: Device is not connected

Once the device is connected the screen should look like figure 2.

Figure 2: Device is connected

The device can be connected by USB or Ethernet, select from drop down list as shown below
4.2. **Menu Introduction**

File menu is used to create, open and save a file

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Project</td>
<td>Create a new project</td>
</tr>
<tr>
<td>Open</td>
<td>Open a file</td>
</tr>
<tr>
<td>Save</td>
<td>Save a file</td>
</tr>
<tr>
<td>Save As</td>
<td>Save As file</td>
</tr>
<tr>
<td>Exit</td>
<td>Exit the program</td>
</tr>
</tbody>
</table>

Component menu adds a button, a label, a value, a clock, a picture and a bar

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Button</td>
<td>Add a button</td>
</tr>
<tr>
<td>Label</td>
<td>Add a label</td>
</tr>
<tr>
<td>Value</td>
<td>Add a value</td>
</tr>
<tr>
<td>Clock</td>
<td>Add a clock</td>
</tr>
<tr>
<td>Picture</td>
<td>Add a picture</td>
</tr>
<tr>
<td>Bar</td>
<td>Add a bar</td>
</tr>
</tbody>
</table>

Format menu modifies the components’ position, size and spacing

Format menu items include:
- Align
- Make Same Size
- Horizontal Spacing
- Vertical Spacing
Align submenu options

<table>
<thead>
<tr>
<th>Lefts</th>
<th>Align Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centers</td>
<td>Align Center</td>
</tr>
<tr>
<td>Rights</td>
<td>Align Right</td>
</tr>
<tr>
<td>Tops</td>
<td>Align Top</td>
</tr>
<tr>
<td>Middles</td>
<td>Align Middle</td>
</tr>
<tr>
<td>Bottoms</td>
<td>Align Bottom</td>
</tr>
</tbody>
</table>

Make same size submenu options

<table>
<thead>
<tr>
<th>Width</th>
<th>Make same width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>Make same height</td>
</tr>
<tr>
<td>Both</td>
<td>Make same width and height</td>
</tr>
</tbody>
</table>

Horizontal spacing submenu options

| Make Equal | Make horizontal spacing equal |
Leviton Touch Screen

Vertical spacing submenu options

- Make Equal
- Make vertical spacing equal

Download menu – download data from the software to the device

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>All Page</td>
<td>Download all pages</td>
</tr>
<tr>
<td>Now Page</td>
<td>Download current page</td>
</tr>
<tr>
<td>Now Time</td>
<td>Download the current time</td>
</tr>
</tbody>
</table>

Device-Set Setting Includes: IP setting, device description, password setting and MAC address setting
Language Menu allows the user to select the preferred language. Three languages are available: English, simplified Chinese and traditional Chinese.
A software introduction can be found in the Help Menu.

Contacting Technical Support

If you cannot find answers in this User Manual, please contact Technical Support and we will be glad to answer your questions.
You can also call us during regular business hours at 1-800-959-6004. Please have the model number information available when you call.

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Fax: (503) 404-5601
Email: lestechnicalsupport@leviton.com
Internet: www.leviton.com
4.3. **Interface Introduction**

![Interface Introduction Diagram](image)

1. **Interface Button Description**

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open</td>
<td>Open File</td>
<td>DelPg</td>
<td>Delete Any Page</td>
</tr>
<tr>
<td>Save</td>
<td>Save File</td>
<td>Search</td>
<td>Search Device’s IP</td>
</tr>
<tr>
<td>NewPg</td>
<td>Create New Page</td>
<td>D-set</td>
<td>Device Setting</td>
</tr>
</tbody>
</table>

2. **Interface Button Description**

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add Button</td>
<td></td>
<td>Add Picture</td>
<td></td>
</tr>
<tr>
<td>Add Label</td>
<td></td>
<td>Add Value</td>
<td></td>
</tr>
<tr>
<td>Add Bar</td>
<td></td>
<td>Scene Editing Button</td>
<td></td>
</tr>
<tr>
<td>Add Clock</td>
<td></td>
<td>Album Setting</td>
<td></td>
</tr>
<tr>
<td>Undo the Setting</td>
<td></td>
<td>Redo the Setting</td>
<td></td>
</tr>
</tbody>
</table>
3. Interface Button Description

<table>
<thead>
<tr>
<th>AllPage</th>
<th>Download all Page Data to Device</th>
<th>Alltime</th>
<th>Download System Time to Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>NowPage</td>
<td>Download Current Page Data to Device</td>
<td>All</td>
<td>Download all Data to Device</td>
</tr>
<tr>
<td>Album</td>
<td>Download Album Photo to Device</td>
<td>Scene</td>
<td>Download Scene Data to Device</td>
</tr>
</tbody>
</table>

4. Interface Button Description

| Lefts | Align Components Left | Width | Make Components the Same Width |
| Centers | Align Components Center | Height | Make Components the Same Height |
| Rights | Align Components Right | Both | Make Components the Same Width and Height |
| Tops | Align Components Top | HEqual | Horizontal Spacing Equal |
| Middles | Align Components Middle | VEqual | Vertical Spacing Equal |
| Bottoms | Align Components Bottom | | Select a Page |

5. Displays what will show on the device screen.

4.4. Component (Button, Label, Bar, Picture, Clock, Value) Setting

**Page:** A page is a graphic user interface which includes components such as button, label, bar, picture, clock and value.

**Component:** A graphic object displayed on a page. Components include buttons, labels, bars, values, clock and pictures.

There are 5 types of components:

**Button:** The button is used to control an action, when you touch a button the programmed action takes effect. For example a button can turn on a light or recall a scene. A button can have text and or images programmed on it. Buttons with different functions, backgrounds, borders and styles can exist on the same page. See button examples below.
Buttons can have 4 control functions: page link, scene recall, one button channel dimming value control, two button channel dimming value control.

**Page Link:** Link to another page.

**Scene Control:** Recall the scenes of the controller.

**Channel Dimming Value:** 2 control methods are available-

- **Two buttons** (up and down): increase/decrease the dimming value.
  
  (The channel no. and zone no. are dependent on the EDX system working with the device)

- **One Button:** directly recall a preset dimming value, for example 50%.

**Label:** Label is used for descriptions.

**Bar:** A bar can be used to adjust the channel dimming value and display the value from 0% - 100%.

**Picture:** The function of picture is the same as button.

**Clock:** Display time on the device.

**Value:** Display channel’s dimming value (from 0% - 100%).
4.4.1. Button Setting

4.4.1.1. Add Button

**Step-1** Open the software

**Step-2** Press button key on the screen or use the component menu to add a button
4.4.1.2. Button Property

**Step-1** After a button is added double click it to access the button property window.

![Button Property Window]

**Text Setting**

**Step-2** Select the text property from the dialogue box.

![Text Setting Dialogue Box]

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Text displayed when the button is inactive</td>
</tr>
<tr>
<td>2</td>
<td>Text displayed when the button is active</td>
</tr>
<tr>
<td>3</td>
<td>Align the text position</td>
</tr>
<tr>
<td>4</td>
<td>The color the text displays when the button is inactive</td>
</tr>
<tr>
<td>5</td>
<td>The color the text displays when the button is active</td>
</tr>
</tbody>
</table>

Rev. B
**Step-3** Enter text into the active and inactive boxes. For example enter "ROOM ON", into inactive and "ROOM OFF" into active

**Step-4** Use text alignment to choose text position on the button. The position chosen is indicated by an "X"

**Step-5** Press OK to save the text setting
Image Setting

**Step-6** Double click the button and select the images tab from the property dialogue box
Leviton Touch Screen

**Step-7** Select any image below and use image alignment to choose the image's position on the button

**Step-9** Press OK to save the image setting
Function Setting

**Step-10** Double click the button and select the function tab of the property dialogue box

1. **Key Function** Selects the function for the button
2. **IR Select** Defines which key on the IR controller controls the button

**Key Functions**

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unused</td>
<td>Set as unused button</td>
</tr>
<tr>
<td>Page Link</td>
<td>Set as a page link button</td>
</tr>
<tr>
<td>Scene</td>
<td>Set as a scene recall button</td>
</tr>
<tr>
<td>Up/Down</td>
<td>Set as up/down dimmer button</td>
</tr>
<tr>
<td>Dimmer</td>
<td>Set as a dimmer button</td>
</tr>
<tr>
<td>On/Off</td>
<td>Set as a on/off button</td>
</tr>
<tr>
<td>Bell Press</td>
<td>Set as a bell press button</td>
</tr>
</tbody>
</table>

After a function has been selected from the list, refer to 4.9 Button’s Advanced Setting for instructions on setting the advanced settings.
**Step-11** For example set the button function as Page Link

![Button Property Window](image1)

**Step-12** Press OK to save the function setting

**Step-13** Position/Border Setting – Double click the button again and select Position/Border from the property dialogue box

![Button Property Window](image2)

<table>
<thead>
<tr>
<th></th>
<th>1 Position and size setting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 Border setting</td>
</tr>
<tr>
<td></td>
<td>3 The button color displayed when the button has an inactive status or active status</td>
</tr>
<tr>
<td></td>
<td>4 Border color setting</td>
</tr>
<tr>
<td></td>
<td>5 Border background setting</td>
</tr>
</tbody>
</table>
**Note:**
*Left/Top* – Adjusts button’s position on the illustration area.
*Width/Height* – Adjusts button’s width and height.

**Step-14** Click into the box to the right of left/top/Width/Height to edit the number

For example: Left/top set as 0/0, width/height set as 80/60 and set the button as green when it has a status of inactive; set the button as blue, when it is active.
Select border width from the list

**Note:** Before the style selection, border width must be set at least at 1.

For example: Set the border shape as oval, border width as 6, and border style as dash.

<table>
<thead>
<tr>
<th>Border Style options:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transparent</td>
</tr>
<tr>
<td>Solid</td>
</tr>
<tr>
<td>Dash</td>
</tr>
<tr>
<td>Dot</td>
</tr>
<tr>
<td>Dash Dot</td>
</tr>
<tr>
<td>Dash-Dot-Dot</td>
</tr>
</tbody>
</table>
**Step-15** Select the drop down list for the border shape/border width/border style list to choose the right item

![User Manual](image)

**Step-16** Press OK to save the position/border setting

![User Manual](image)

*Note:* All button properties can be set at the same time and then press ok to see results.
4.4.1.1. Copy Button

Copy the border shape, border color, background color and inactive, active color settings of one button to another.

**Step-1** – Add a new button to the display and set its style properties

Now there are 2 buttons on the page; Meeting Room and Cmd2

**Step-2** Select Meeting Room Button and right click to select Format Copy
Step-3 Select cmd2 and right click to select Format Paste to copy the setting
Now double click the cmd2 button to review the property changes.
4.4.2. Label Setting

4.4.2.1. Add Label

**Step-1** Open the software

**Step-2** Press label key on the interface or use the component menu to add a label
4.4.2.2. Label Property

**Step-1** Double click the label to show the label property dialogue box

**Step-2** Text setting – Select the text tab in the dialogue box

1. Text that displays on the label
2. Aligns the text position
3. Background color setting
4. Text color setting
Please refer to 4.4.1.2 Button Property to finish the label’s text settings.

**Step-3** Position/Border Setting - Double click the label again and select Position/Border tab of the dialogue box

1. Position and size setting
2. Border setting

Please refer to 4.4.1.2 Button Property to finish the label’s settings.

<table>
<thead>
<tr>
<th>Border Shape options:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rectangle</td>
</tr>
<tr>
<td>Square</td>
</tr>
<tr>
<td>Oval</td>
</tr>
<tr>
<td>Circle</td>
</tr>
<tr>
<td>Rounded Rectangle</td>
</tr>
<tr>
<td>Rounded Square</td>
</tr>
</tbody>
</table>
4.4.3. Bar Setting

4.4.3.1. Add Bar

**Step-1** Open the software

**Step-2** Press the bar key on the interface or use the component menu to add a bar
4.4.3.2. Bar Property

**Step-1** Double click the bar on the page

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Position</td>
</tr>
<tr>
<td>2</td>
<td>Address</td>
</tr>
</tbody>
</table>

**Step-2** Press OK to save the setting

4.4.4. Clock Setting

4.4.4.1. Add Clock

**Step-1** Open the software
Leviton Touch Screen

**Step-2** Press clock key on the interface or use the component menu to add a clock.

The clock can only be synchronized with the system time; time cannot be set manually.

**4.4.5. Picture Setting**

**4.4.5.1. Add Picture**

**Step-1** Open the software.
**Step-2** Press the picture key on the interface or use the component menu to add a picture

**4.4.5.2. Picture Property**

**Position/Picture Setting**

**Step-1** Double click the picture

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Position</td>
</tr>
<tr>
<td>2</td>
<td>Inactive picture path</td>
</tr>
<tr>
<td>3</td>
<td>Active picture path</td>
</tr>
<tr>
<td>4</td>
<td>Fit picture</td>
</tr>
<tr>
<td>5</td>
<td>Folder icon</td>
</tr>
</tbody>
</table>
Text Setting

**Step-2** Double click the picture and select text from the property tab in the dialogue box

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Inactive</td>
<td>Text that will display when the picture is inactive</td>
</tr>
<tr>
<td>2</td>
<td>Text alignment</td>
<td>Aligns the text position</td>
</tr>
<tr>
<td>3</td>
<td>Font color</td>
<td>Text color</td>
</tr>
</tbody>
</table>

Function Setting

**Step-3** Double click the picture and select the function tab in the dialogue box

**Step-4** Press OK to save the setting
4.4.6. Value Setting

Value – add channel's dimming value display (from 0% - 100%)

4.4.6.1. Add Value

**Step-1** Open the software

![Software Interface]

**Step-2** Press the value key on the interface or use the component menu to add a value
4.4.6.2. **Value Property**

**Step-1** Double click the added value component

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Position</td>
</tr>
<tr>
<td>2</td>
<td>Address</td>
</tr>
</tbody>
</table>

**Step -2** Press OK to save the setting
4.5. Album Setting

Album – Loads the photo to the digital photo frame. (19 photos maximum)

**Step-1** Open the software

![Image of software interface]

**Step-2** Press Album key

![Image of photo arrangement]

The program can load 19 photos maximum, the last frame is the size display, a photo cannot be uploaded to this slot.

| 1 | Modify the photo’s position, move the photo to last or next frame |
| 2 | Tidy up the photo’s sequence (When photos are deleted, it will update the sequence) |
Exit the album operation

**Step-3** Double click any frame to upload the photo.
4.6. Button, Picture’s IR Remote Control

**Note:** Only button and picture device components accept IR remote control. The IR remote control setting for button and picture operate the same, the following example applies to both components.

**Step-1** On the current page, press the button key on the interface or use the component menu to add a button

![Button Interface](image)

**Step-2** Double click the button

![Button Property](image)
**Step-3** Select the function tab in the property dialogue box

To set the button's key function setting, please refer to 4.4.1.2 Button Property.

**Step-4** For example, select the function as scene and choose scene 01 of zone 1 to be controlled by this button

**Step-5** Select the key on the IR remote controller corresponding to this button. For example, set this button to the FCN key on the IR remote controller

When the FCN key is pressed on the remote controller, the device will recall scene 01 of zone 1.

**Step-6** Press OK to save the setting

*Note:* The keys on the IR remote controller can be set to recall any function of a button.
IR Select – all of these options are available for the IR remote controller; None, Off, Sc1, Sc2, Sc3, Sc4, Sc5, Sc6, Increase, Decrease, Fcn, Mem, Zone, Up, Down, Left, Right and Set.

4.7. Page Setting

Page (User Page) Setting

Step-1 Open the software

Step-2 From file menu – select new project
Leviton Touch Screen

**Step-3** Press NewPg to add more pages

**Step-4** From the drop down list select Page2, and then double click the display area
**Step-5** Click the page name box and change “Page2” to “SC1”

**Step-6** Press the ... button to get your picture path
**Step-7** Double click the picture file you want to upload

Press Clear to cancel the picture selection

**Step-8** Press OK to save the setting.

### 4.8. Built-in Function (Special Page) Setting

**Note:** User page, the notion of user page is the same as the page’s (please refer to the explanation under 4.4 Component (Button, Label, Bar, Picture, Clock and Value Setting))

Special page: the built-in function pages can be set on the button property dialogue box. The special page can be linked by the button component.

Built-in functions include backlight set, voice set, clock set, schedule set/preview and password protection.

The built-in function pages available are shown below
Backlight Setting

**Step-1** Open the software
**Step-2** From the file menu – new project
**Step-3** Press the button key on the interface or use the component menu to add a button
**Step-4** Double click the button to access the button property dialogue box

**Step-5** Select the function tab in the property dialogue box.
Step-6 Select the page link from the key function list, under page link select Special Page and select backlight set from the page drop down list.
The setting of text, images, position/border property, please refer to 4.4.1.2 Button Property. The button can be linked to the following built in function pages.

<table>
<thead>
<tr>
<th>Special Page options:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backlight set page</td>
</tr>
<tr>
<td>Voice set page</td>
</tr>
<tr>
<td>Password protection page</td>
</tr>
<tr>
<td>Clock set page</td>
</tr>
<tr>
<td>Digital Photo frame page</td>
</tr>
<tr>
<td>Schedule set page</td>
</tr>
</tbody>
</table>

**Step-7** Press OK to save the setting

After downloading the setting to the device, the backlight set page will show by pressing the button.

**Voice Set**

**Step-8** Add one more button on the same page (new page), then double click the button to access the property dialogue box.
**Step-9** On the function property, select the page link from the key function list, under page link select special page and select voice set from the page list.

**Step-10** Press OK to save the setting

After downloading the setting to the device, the voice set page will show by pressing the button.

**Note:** For setting of clock set page, password protection page and schedule set page, please reference the steps for backlight set and voice set above.
4.9. Button’s Advanced Setting

Button’s advanced setting is the detailed description of the 4.4.1.2 Button Property.

Double click the button and select the function tab from the property dialogue box.

Function list as below

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unused</td>
<td>Set as unused button</td>
</tr>
<tr>
<td>Page Link</td>
<td>Set as a page link button</td>
</tr>
<tr>
<td>Scene</td>
<td>Set as a scene recall button</td>
</tr>
<tr>
<td>Up/Down</td>
<td>Set as up/down dimmer button</td>
</tr>
<tr>
<td>Dimmer</td>
<td>Set as a dimmer button</td>
</tr>
<tr>
<td>On/Off</td>
<td>Set as a on/off button</td>
</tr>
<tr>
<td>Bell Press</td>
<td>Set as a bell press button</td>
</tr>
</tbody>
</table>

Similar to user page and special page in 4.7 Built-in Function (Special Page) Setting user can select the pages that link to the buttons.
Leviton Touch Screen

By selecting key function as page link and selecting user page, the user can select the pages from the list in the page drop down.

By selecting key function as page link and selecting special page, user can select the built-in function pages from the list in the page drop down.
By selecting key function as scene the button will recall/turn off the corresponding scene when pressed. Select scene from key function list.

Edit Scene is where the user sets the zone and scene for the button.

By selecting key function as up/down the button will increase/decrease the corresponding channel’s dimming value by pressing the button.

Select up/down from key function list, it will display as below

<table>
<thead>
<tr>
<th></th>
<th>Use up or down to set the button to increase/decrease the channel’s dimming value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use channel to select any channel from 1-512</td>
</tr>
</tbody>
</table>

Zone options: 1 – 40
Scene options: Sc1 – Sc12 and Sc Off
Leviton Touch Screen

By selecting key function as dimmer the channel will be turned on at the preset dimming value when the button is pressed; by releasing the button, the channel will be turned off.

Select dimmer from key function list

Set the zone, channel and dimming value on channel level area.

<table>
<thead>
<tr>
<th></th>
<th>Channel</th>
<th>Select channel 1-512</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Value</td>
<td>Dimming percentage</td>
</tr>
<tr>
<td>3</td>
<td>Fade</td>
<td>The fade time for the dimming percentage to be executed in</td>
</tr>
</tbody>
</table>

By selecting key function as on/off the button is set as a on/off button; press it once, the corresponding channel will be turned on; press it again, the corresponding channel will be turned off. For example, select the on/off function from the list.
Select the channel no. from the channel level column, and the press ok to save the setting.

By selecting key function as Bell Press the button will have the same function as an on/off button.

4.10. Scene Setting

Note: Scene settings are edited on the device directly, while page settings are edited by the software. (Please refer to 4.1 Connection between Device and Programmable Software for downloading instructions)

The following pages are examples of user pages.

4.10.1. Scene Editing

Step-1 Open the software
**Step-2** Create a new page and add 6 scene buttons (name as Scene 1-5, Scene off)

![Image of Leviton Touch Screen]

**Step-3** Double click the button scene 1 and select the function tab in the property dialogue box.

Set key function as scene, zone as 1 and scene as 01

![Image of Button Property window]
**Step-4** Then press the Scene button on the interface

1. The zone no. the scene belongs to. There are 40 selectable zones. (Zone 1 – Zone 40)
2. Scene no. selection (SC1 – SC12, SC off)
3. Scene editing
4. Scene copy
5. Scene paste
6. Close the scene edit dialogue box

**Step-5** After zone and scene no. selection press edit

A | Scene name editing
Leviton Touch Screen

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Channel name editing</td>
</tr>
<tr>
<td>C</td>
<td>512 channel's name editing area</td>
</tr>
<tr>
<td>D</td>
<td>Channels in scene editing area</td>
</tr>
<tr>
<td>E</td>
<td>Scene fade time</td>
</tr>
<tr>
<td>F</td>
<td>Channel’s dimming value selection (from 0%-100%)</td>
</tr>
<tr>
<td>G</td>
<td>Select all the channels in area D</td>
</tr>
<tr>
<td>H</td>
<td>Shift channels dimming value from 0% and 100%</td>
</tr>
<tr>
<td>I</td>
<td>Directly type in the channel’s dimming value</td>
</tr>
</tbody>
</table>

**Step-6** Name the scene as SC1 and select channel 1-10 in to this scene

There are 2 methods to select any channel from the 512 channels.

Method 1: Press ctrl and click any channel from the 512 channels, for example, select the following channels: channel 1, channel 3, channel 5, channel 7, channel 9, channel 12, channel 13, channel 15, channel 16, and channel 17.
Method 2: Press shift click any continuous channels from the 512 channels. For example select channel 1 - 10

Step-7 Press > to load the selected channels 1-10 into the editing area

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>&gt;</td>
<td>Load selected channels to the editing area</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>&gt;&gt;</td>
<td>Load all 512 channels to the editing area</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>&lt;</td>
<td>Remove the selected channels from the editing area</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>&lt;&lt;</td>
<td>Remove all channels from the editing area</td>
<td></td>
</tr>
</tbody>
</table>
**Step-8** Press ctrl and click the channel 1, channel 3, channel 5, channel 7, channel 9, in the editing area.

**Step-9** Press level icons to adjust; channel 1, channel 3, channel 5, channel 7 and channel 9's dimming value to 50%.
**Step-10** Press level icons to adjust; channel 2, channel 4, channel 6, channel 8 and channel 10’s dimming value to 50%.

**Step-11** Set the channels in SC1’s fade time using the ramp rate drop-down list

For example, set channel 1, channel 3, channel 5, channel 7 and channel 9’s fade time as 8 seconds

Press ctrl and click channel 1, channel 3, channel 5, channel 7, and channel 9 in the editing area. Then press the ramp rate drop-down list and select over 8 seconds.

**Step-12** After setting press ok to save
Leviton Touch Screen

The setting of remaining scenes is the same.

**Editing the name of a channel**

**Step-13** Select any channel from the 512 channel’s name editing area, it will display as below

**Step-14** Type CH1 into channel name column and it will display as shown below
**Step-15** Name channel 1 to 10 as CH1 and CH10 separately and it will display as below

**Step-16** After setting, press ok to save

### 4.10.2. Scene Recall

**Step-1** Download edited pages to the device and press Scene 1-5 and off on the touch screen to recall the scenes
4.11. Schedule Setting

The schedule setting is for recalling the scenes at a set time.

**Step-1** Open the software

**Step-2** From the file menu select new project

**Step-3** Press the button/picture key on the interface or use the component menu to add a button/picture

**Step-4** Double click the button and select the function tab from the property dialogue box

**Step-5** Select key function as page link, page link as special page and select schedule on the page drop down list

To set text, image, and position/border properties please refer to 4.4.1.2 Button Property.
For example set the picture as below

**Step-5** Download this page to the device and press the schedule button, it will link to the built-in function page

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Activate/Deactivate schedule, yes</td>
<td></td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Go to last or next schedule set page</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Add schedule</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Edit schedule</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Cancel schedule</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Select schedule (the schedule can be edited and cancelled only after it has been selected; if the schedule's selected it will display as</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Leviton Touch Screen

7 The scene to be called on in the schedule
8 The scene’s zone to be called on in the schedule
9 The execution time of the schedule: hour and minute

**Step-6** Press new

1 The execution time for the schedule: hour and minute
2 The adjustment keys for hour and minute setting of the execution time
3 The execution time for the schedule: day
4 Select the scene executed on the schedule
5 Display the scene no. executed on the schedule
6 Select zone no. of the scene executed on the schedule
7 Display zone no. of the scene executed on the schedule

**Step-8** The below schedule is set to recall SC01 of Zone 1 at 1:01am on every Monday, Wednesday and Friday
**Step-9** After setting, press ok to save

![Schedule set](image)

Once the schedule is saved it can be edited and canceled.  
Means the schedule is activated.

**Step-10** Press [X] to exit

### 4.12. Component Configuration

Open the software and add 3 components, for example 3 different size buttons on the same page.

![DMX](image)

Left and right alignment:

Hold ctrl and select component cmd1, cmd2 and cmd3 then press lefts or rights to make those components align with left or right or center.
Leviton Touch Screen

Lefts:

Rights:
Centers:

Select all and align top, middle or bottom.

Tops:
Leviton Touch Screen

Middles:

![Middles Diagram]

Bottoms:

![Bottoms Diagram]

Select all and make the components have the same width and height.

**Note:** If you want to make several components have the same width and height, you need to select the component you want as the standard last.
Widths:

Heights:
Leviton Touch Screen

Horizontal Spacing Equal and Vertical Spacing Equal

Horizontal Spacing:

Before

After

Vertical Spacing:

Before

After

4.13. File Download

After the programming is completed you must download the file to the device

Choose a button below based on the type of download you want to do:

<table>
<thead>
<tr>
<th>AllPage</th>
<th>Download all Page Data to Device</th>
<th>Nowtime</th>
<th>Download System Time to Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>NowPage</td>
<td>Download Current Page Data to Device</td>
<td>All</td>
<td>Download all Data to Device</td>
</tr>
<tr>
<td>Album</td>
<td>Download Album Photo to Device</td>
<td>Scene</td>
<td>Download Scene Data to Device</td>
</tr>
</tbody>
</table>
When the device is connected press a download button and a progress bar will display.

![Download progress bars](image)

**Do not use the program while the data is downloading.**

**To set the device's IP**
After connecting the device press search to search device’s IP.

**Step-1** Open the software
**Step -2** Press search on interface and the IP set window will display

![IP set window](image)

**Step-3** Press Search
Leviton Touch Screen

1. IP address display area
2. Advance buttons decide whether the device information area displays. Ok will display the information; cancel will not display the information.
3. Device information area

**Step-4** Double click the information in the device information area

![IP Address Setting](image1)

**Step-5** Press OK to finish the connection between the device and the software

**D-set button - Device Setting**

**Step-1** Open software
**Step-2** Press D-Set

![Device Setting](image2)

1. IP Address setting
2. Device name setting
3. Password setting
4. Mac address setting