ECP-T05 (NEX)

Touch Screen

【User Manual】

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1.Introductions

ECP-T05 (NEX) is the touch screen specifically designed to work with DP-NE100, which is based on NEX architecture, or other devices with NEX architecture.

1-1 Features

- 640*480 resolutions
- Programmable Windows-based software..
- Up to 50 programmable pages

1-2 Specifications

Power supply	DC: 12V
Signal input	RS-485
Signal output	DMX-512/1990
EDX terminal	4 PIN green terminal
Connection port	USB
Screen size	5.7 inch
Resolution	640 x 480
Screen	single point resistive touch panel
Dimension	215(W) x 140(H) x 39(D)mm

1-3 Port Introduction
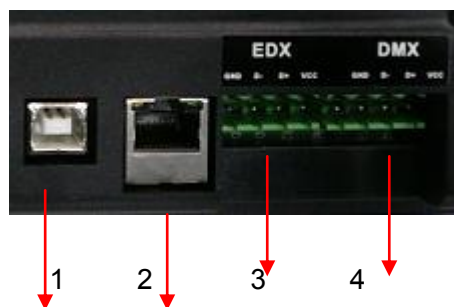
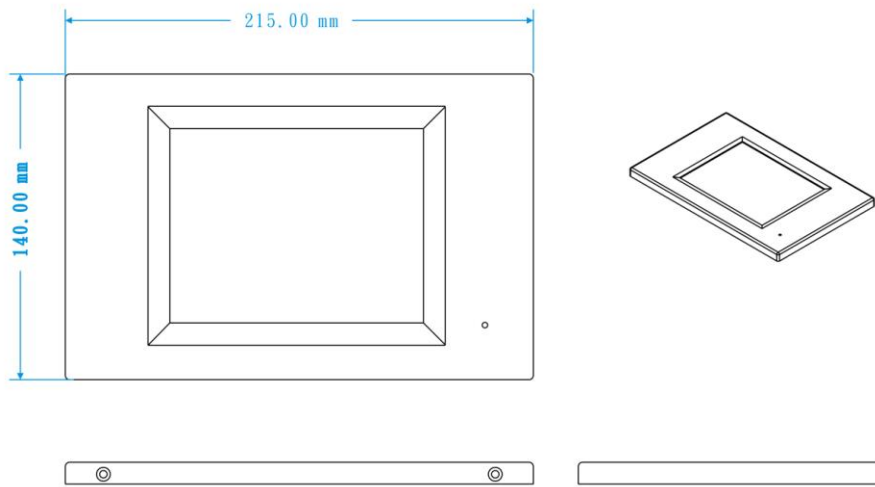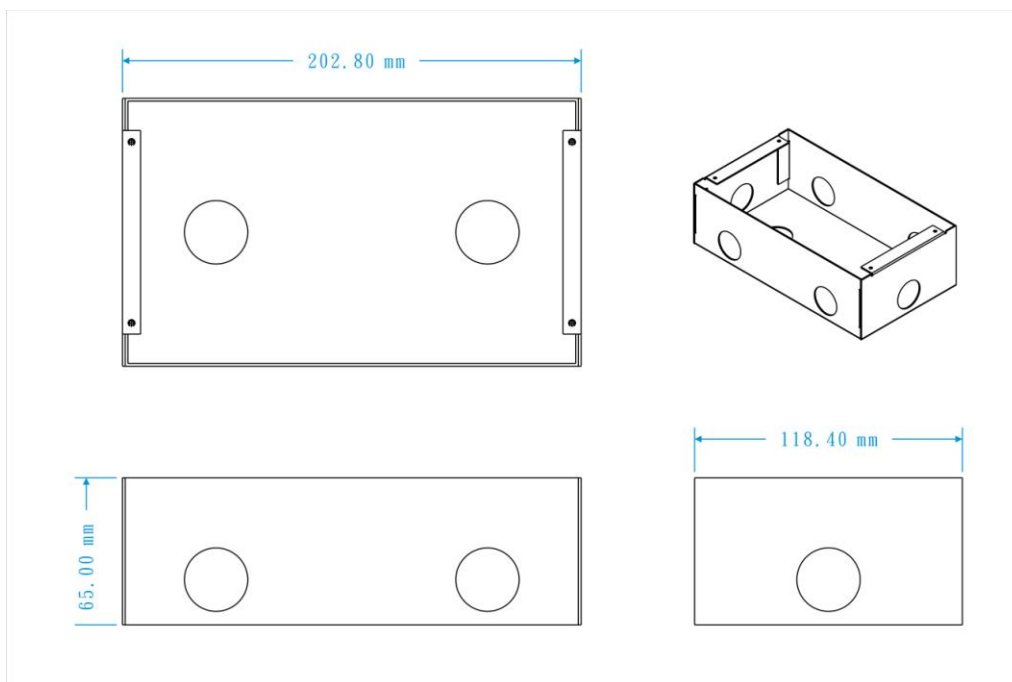| 1	USB port	3	EDX port
2	LAN port	4	DMX port (not applicable in ECP-T05 NEX version)

1-4 Dimension

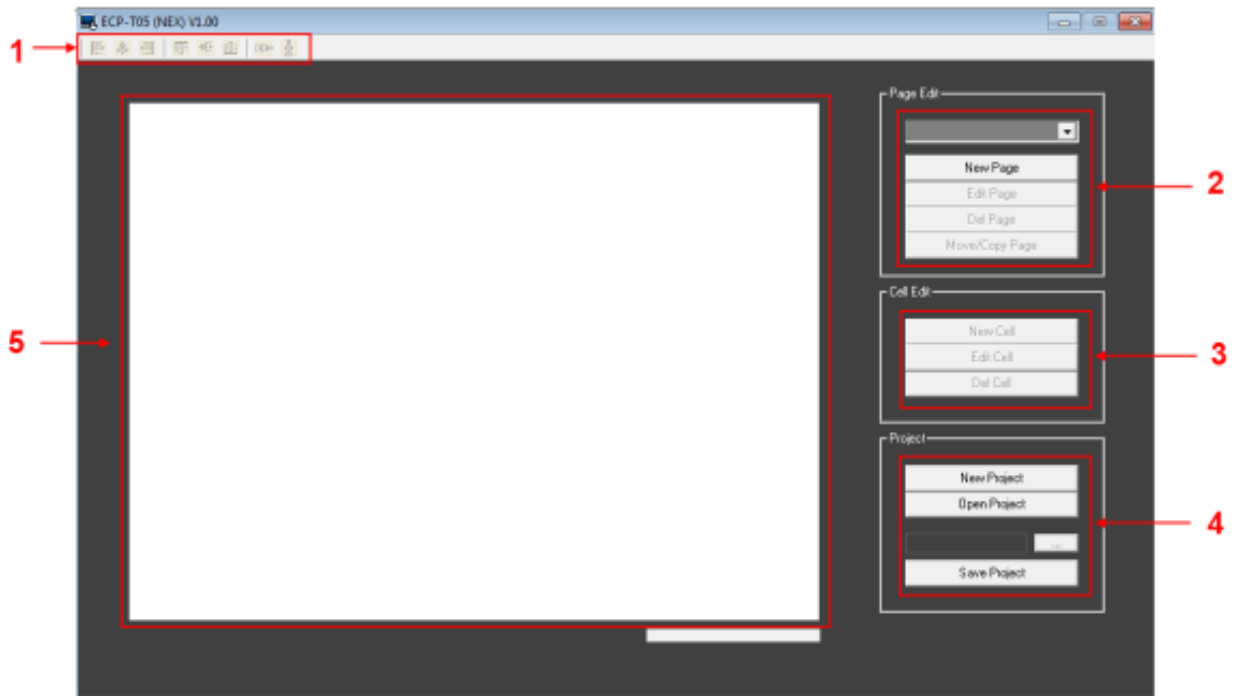### Rear side
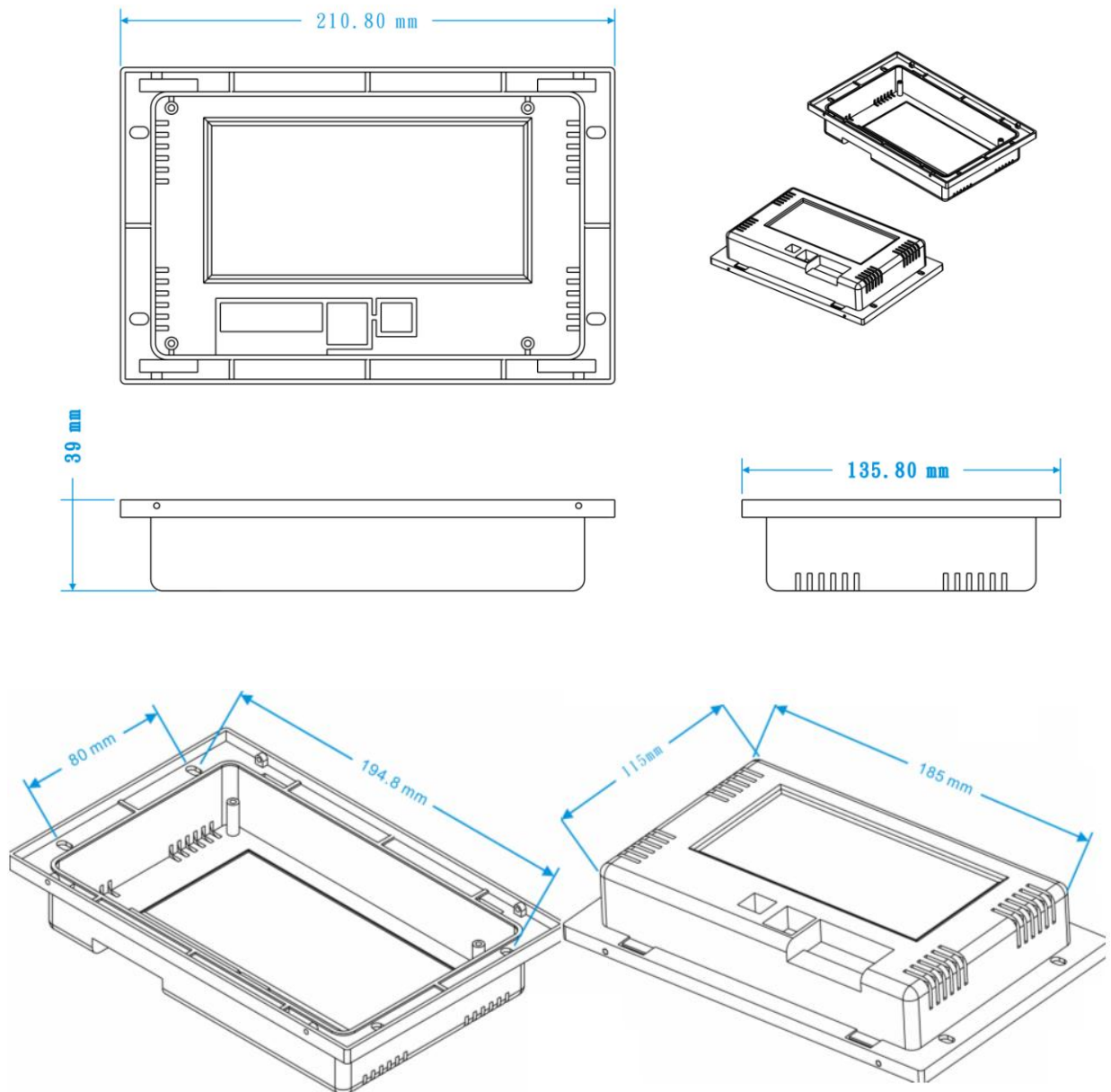
Front side

Wall box

2. ECP-T05's Programmable Software Introduction

Install the software from the file - ECP-T05 (NEX).setup.

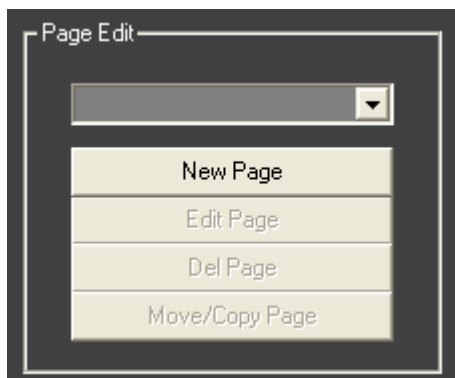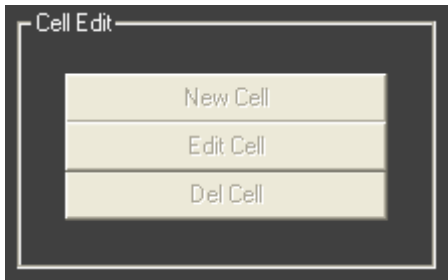## 2-1 The Interface

1. Cell alignment bar

The icon shows from left to right: ① align with left, ② align with center, ③ align with right, ④ align with top, ⑤ align with middle, ⑥ align with bottom, ⑦ horizontal spacing equal, ⑧ vertical spacing equal.
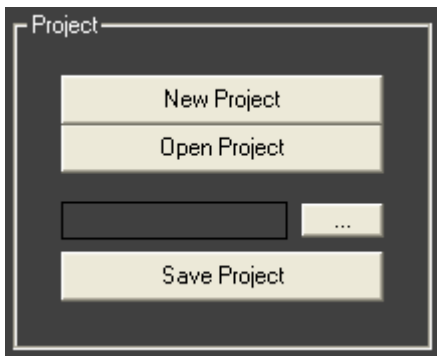
2. Page edit bar

--create a new page
--edit page
--delete page
--move/copy page

3. Cell edit bar

--create a new cell

--edit cell

--delete cell

4. Project bar

--create a new project

--open a project

--save path

--save project

5. Programming Area

2-2 Page and Cell Introductions

Page is a friendly graphic user interface which includes cells such as button, label, bar, clock and picture. All the control functions are defined in the cells.

There are 2 kinds of cells: **Show Cell** and **Click Cell**.

| Show Cell	Clock	Display time on the ECP-T05
	Picture	Display picture
	Label	For description and definition
	Zone	Zone definition
	EDX	Show EDX information
Click Cell	Link	Link to a page
	SC Call	Recall a scene
	UP	Increase zone number or dimming level
	DOWN	Decrease zone number or dimming level
	EDX	Send EDX command

2-3 Open New Project and Add a Page

The sample project is located in "Document/ECP-T05_samples" folder. Click "Open Project" to open the sample project.
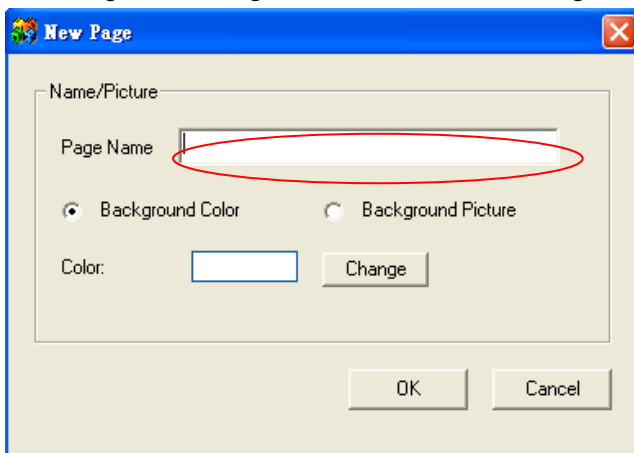
To start up the programming, first create a new project and a new page.

STEP-1   Open the software, and click "New Project". Select a path for the project.
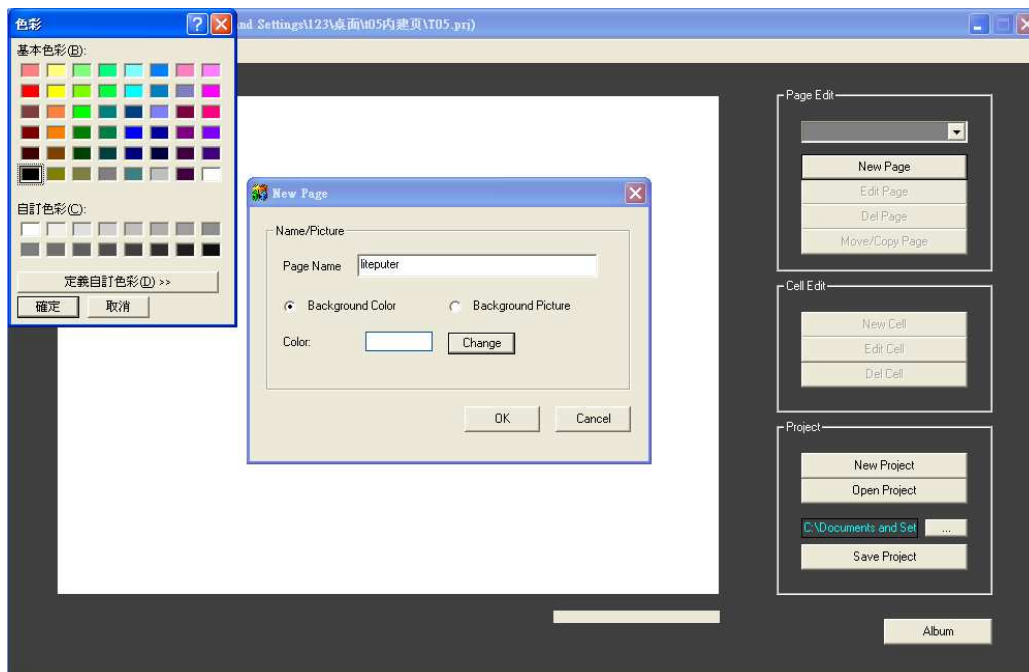
STEP-2   Click "New Page."
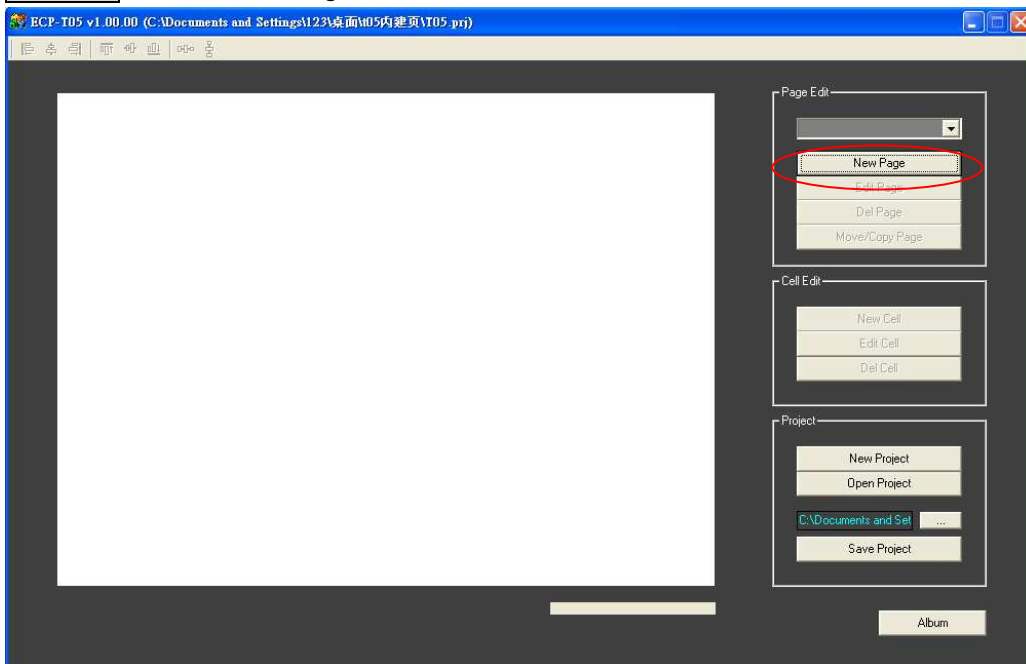
STEP-3   Give the new page a name and choose from "Background Color" or Background Picture."
To change the background color, select "Background Color" and click "Change."

STEP-4   Choose preferred color from the color pad. Then click "confirm". The Click "OK."

2-4 Common Properties of Cells

2-4-1 Inactive/active status

Click cells have two inactive and active status. Inactive status is normal status. Active status shows when the click cell is pressed. Inactive/active properties can be edited in "display frame" when adding/editing the click cells. The inactive and active cell can have their own text and background.
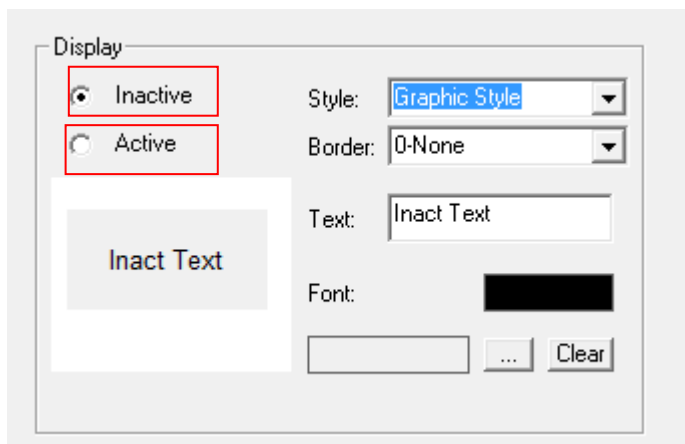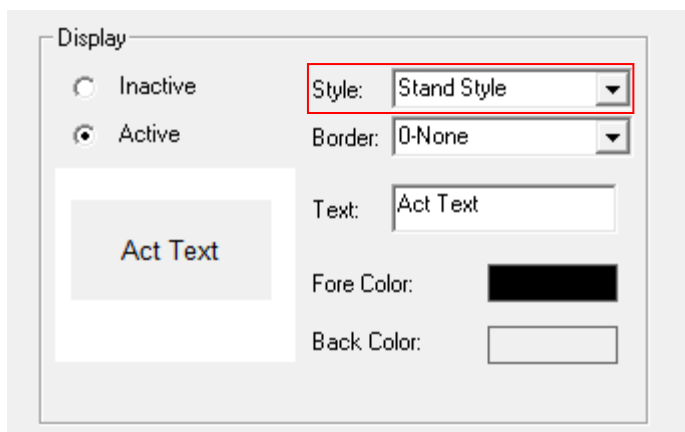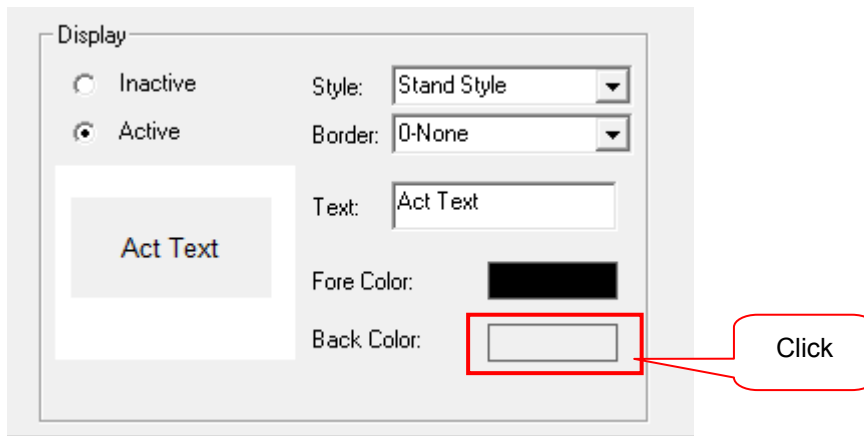
2-4-2 Background Color/Picture

The background of the cells can be either color or a picture.
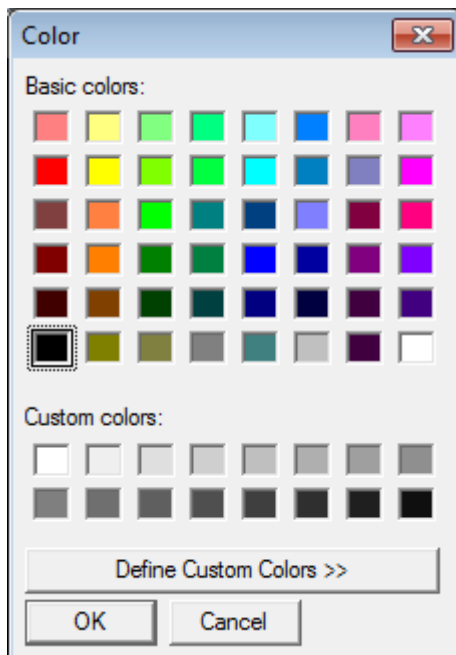
a. Background color:

STEP-1. Choose "stand style" when adding or editing the cell.

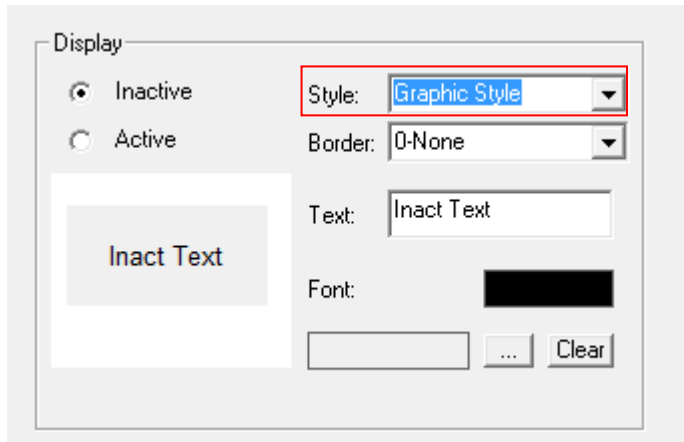STEP-2: Click "Back Color"

STEP-3: color can be selected in the color palette

b. Background Picture

STEP-1: Choose "Graphic style" when adding or editing the cell.

STEP-2: Press "..." button to select a picture.
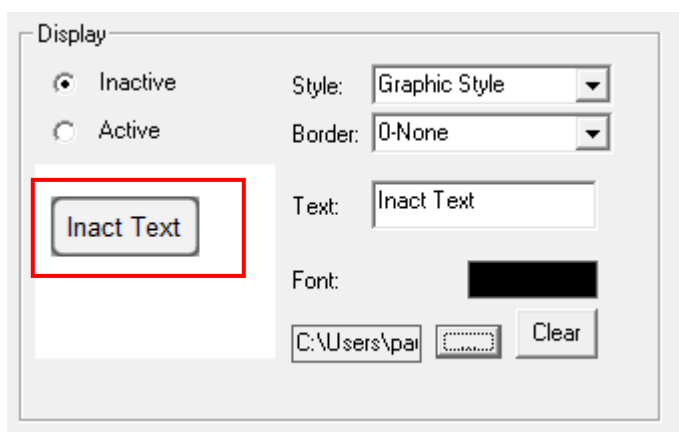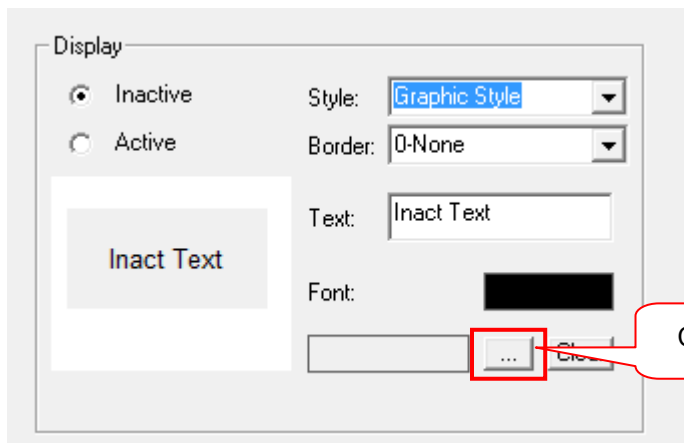
2-5 Add/Edit Show Cell

"Show Cell" is controls on the touch screen to show information.

2-5-1 Clock

STEP-1: Click "New Cell".

STEP-2: In the New Cell window, select cell type as "Clock" and change the properties.
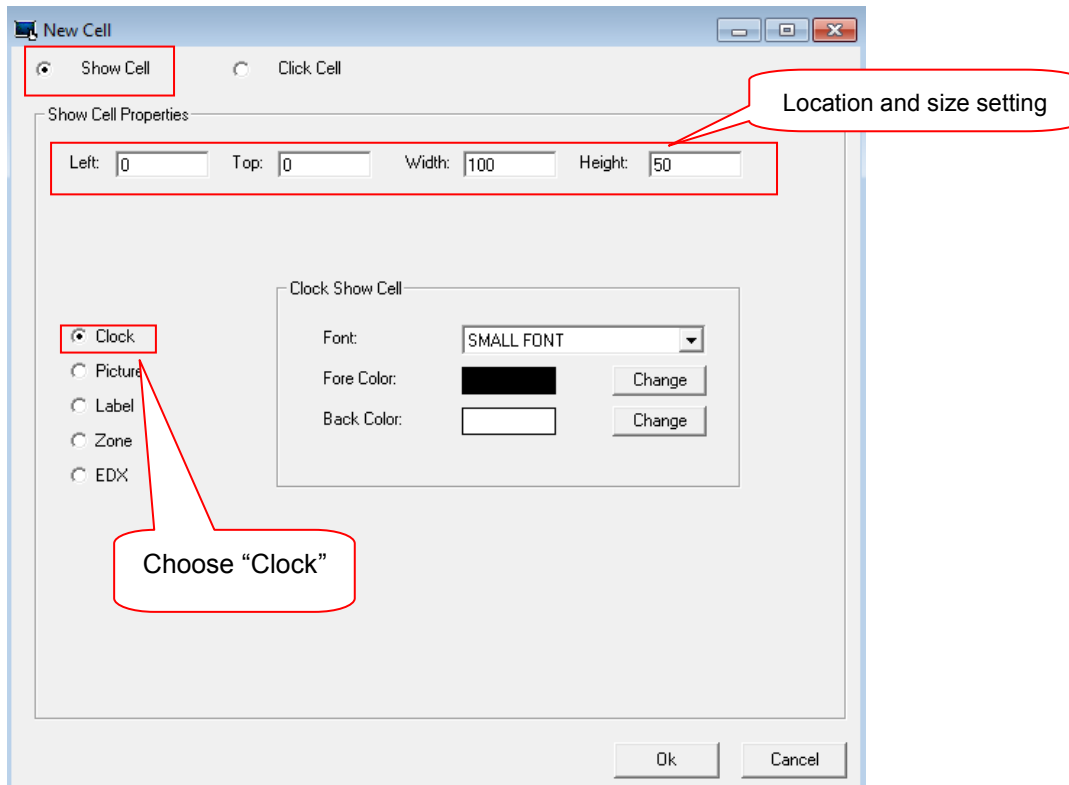
STEP-3: Drag the "Clock" cell to the appropriate location on the page.
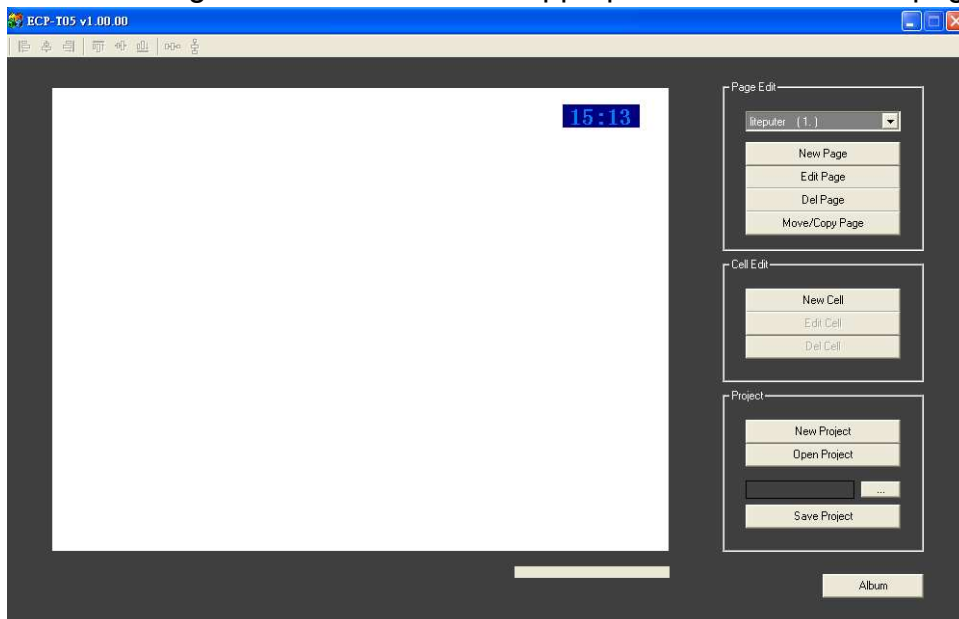
2-5-2 Picture

STEP-1: Click "New Cell".

STEP-2: Select the cell type as "Picture". Set the properties and choose a picture.
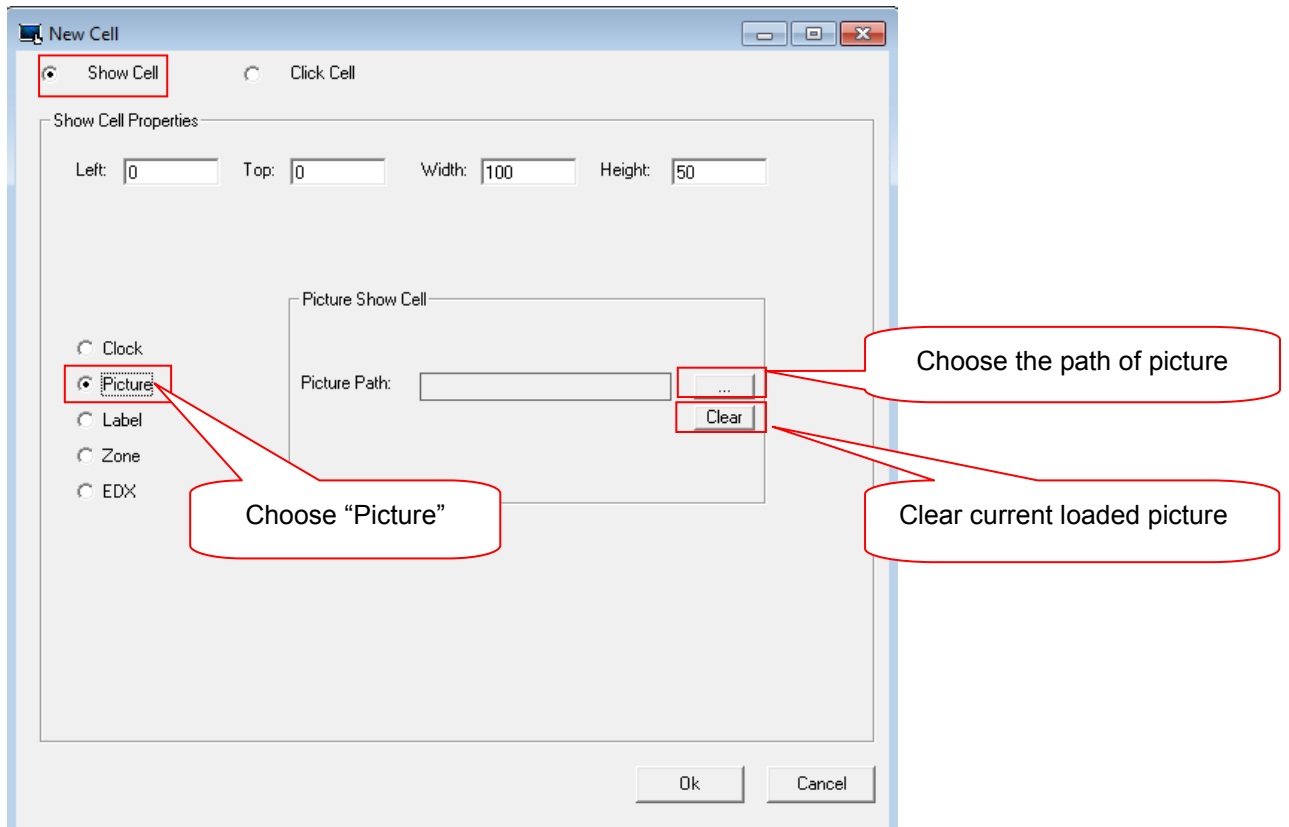
STEP-3: Finish with OK and the chosen picture will show on the page.
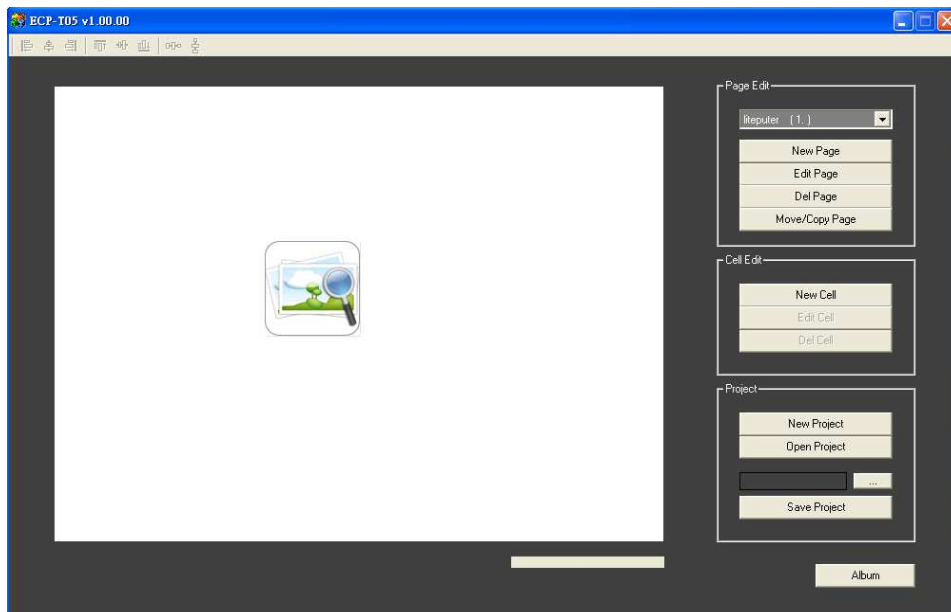
2-5-3 Label

STEP-1: Click "New Cell"

STEP-2: Select the cell type as "Label". Type the name you want to show on the label, and then set the properties.
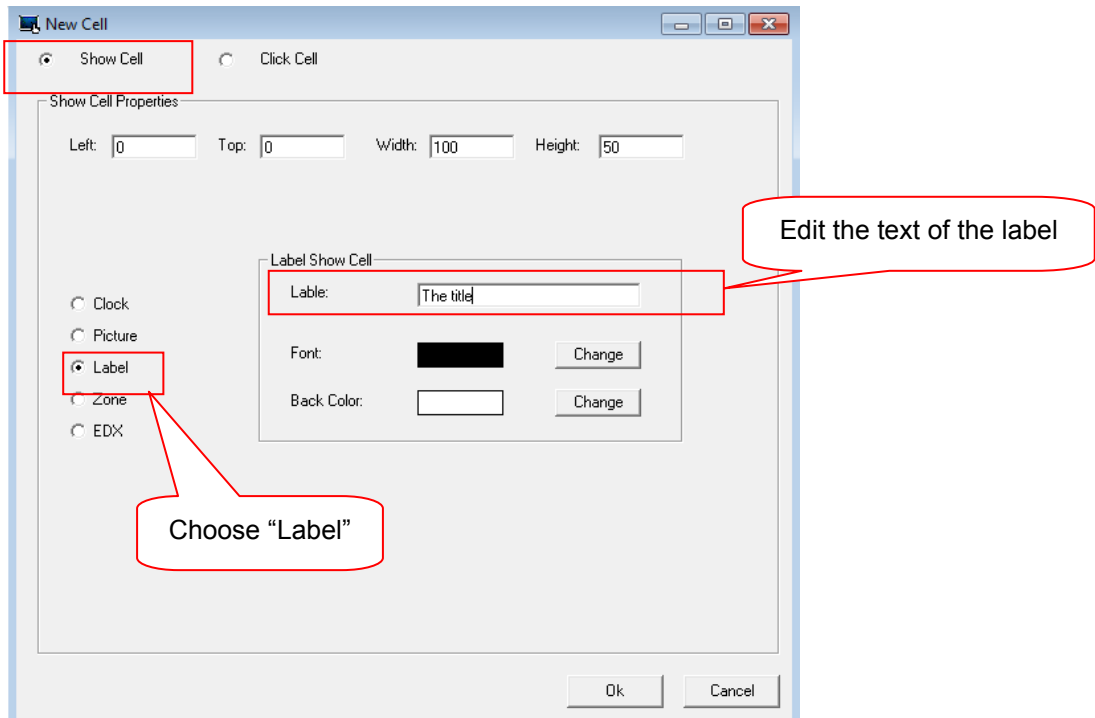
STEP-3:   Click "OK" to finish and the label will show on the current page.
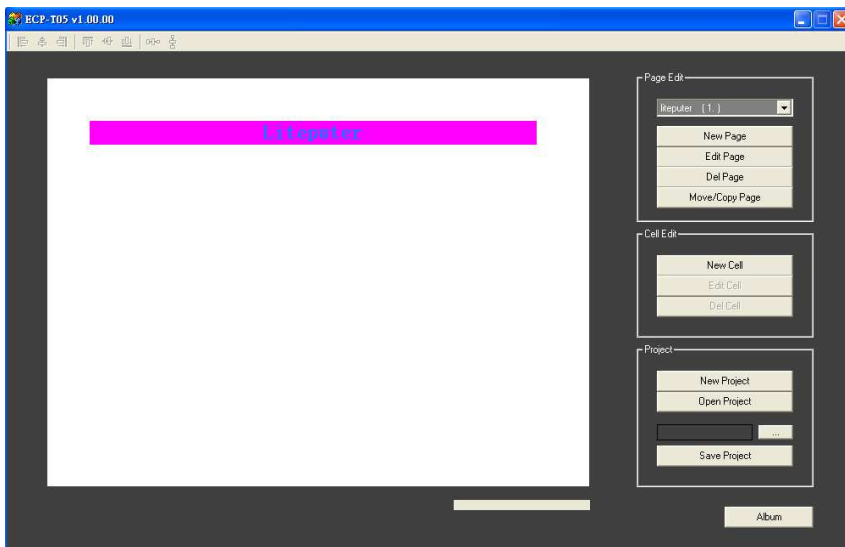
2-5-4 Zone (Zone Number)

Zone (zone number) cell is to show the "dynamic zone number".

If you assign a "click cell" without property of zone number, its zone number will follow the dynamic zone number. The dynamic zone number can be changed by "zone up" button (click cell) (refer 2-6-3 and 2-6-4)

STEP-1: Select "Zone" in New Cell page. Set the properties and click "OK"
STEP-2: the zone number cell will show on the current page.
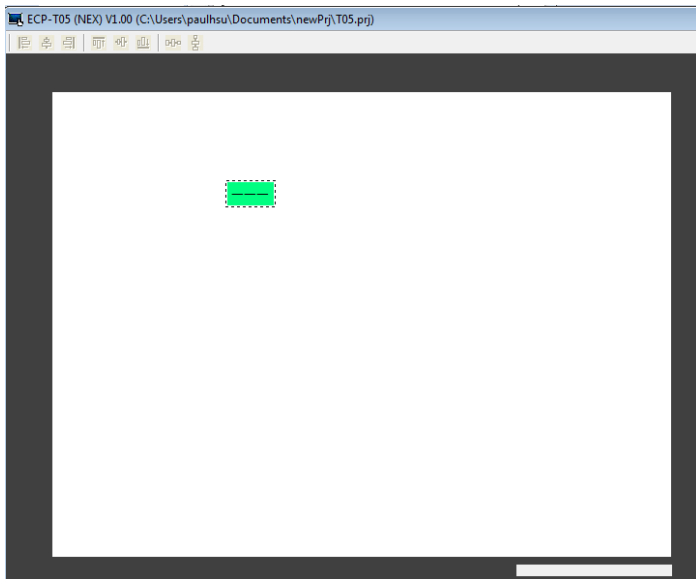
2-5-5 EDX

EDX show cell is to show specific EDX information (HVAC controllers'

information)

STEP-1: Select "EDX" in New Cell page.

STEP-2: Click "Edit"
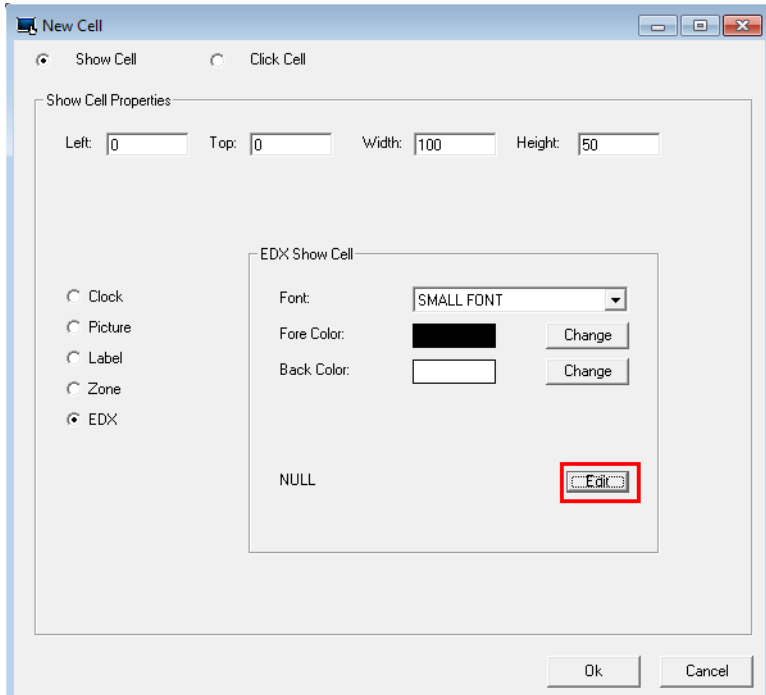
STEP-3: Select "HVAC Fan Control". And select which information you would like to

show.
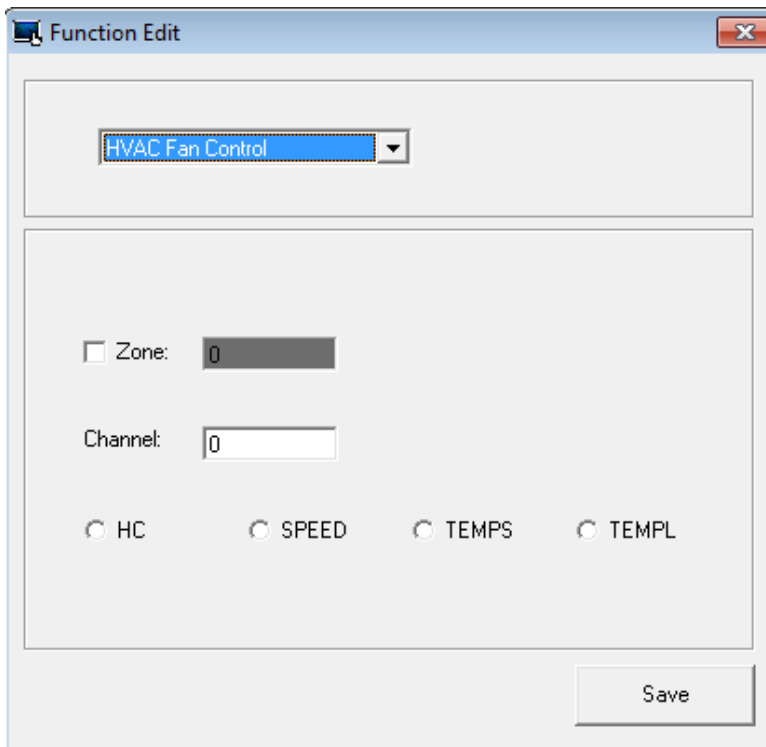
HC: Heat or Cool.

SPEED: Fan speed (low, medium, high, auto)

TEMPS: Temperature set

TEMPL: Real temperature

Zone: The zone number of the HVAC controller.

Channel: The DMX-512 channel number of the HVAC controller.

If you don't assign zone number, the zone number of this control will follow the "dynamic zone number".

2-6 Add/Edit Click Cell

"Show Cell" are controls/buttons on the touch screen that can control other EDX devices.

2-6-1 Link

a. Link to user page:

STEP-1: Select "Click Cell" in New Cell page. Select function "Link", "User Page" and the page which you want to link to.
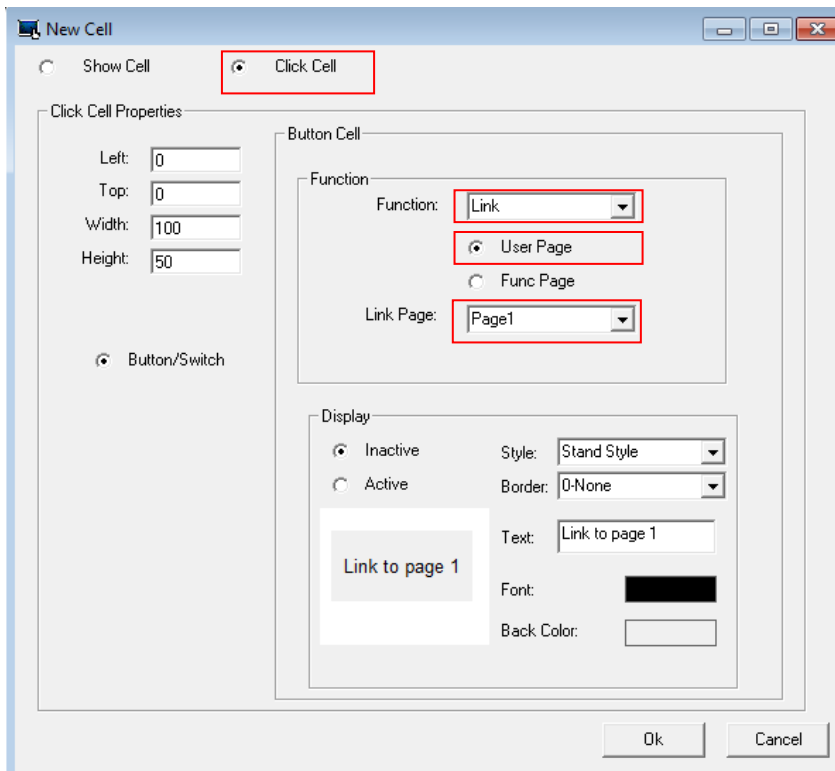
STEP-2: Set inactive/active properties (refer 2-4).

STEP-3: Click "OK" and then link page button will show on the current page.
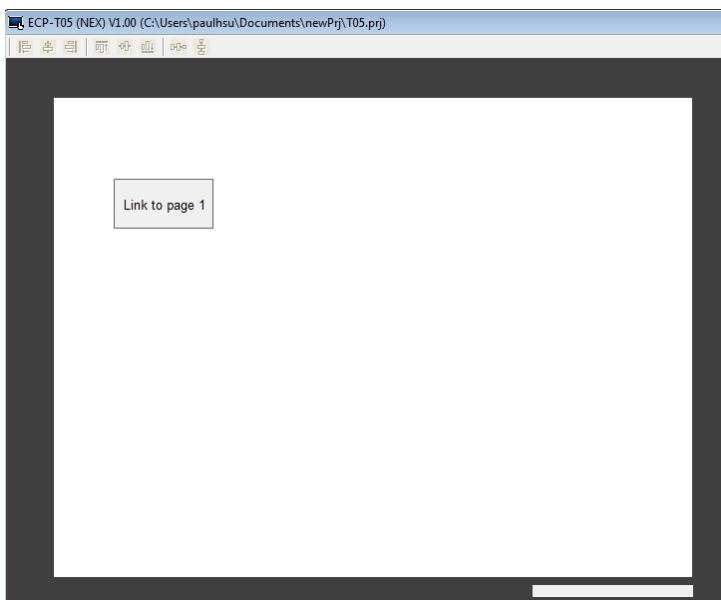
b. Func Page (Function Page)

STEP-1: Select "Click Cell" in New Cell page. Select function "Link", "Func Page" and the page which you want to link to.
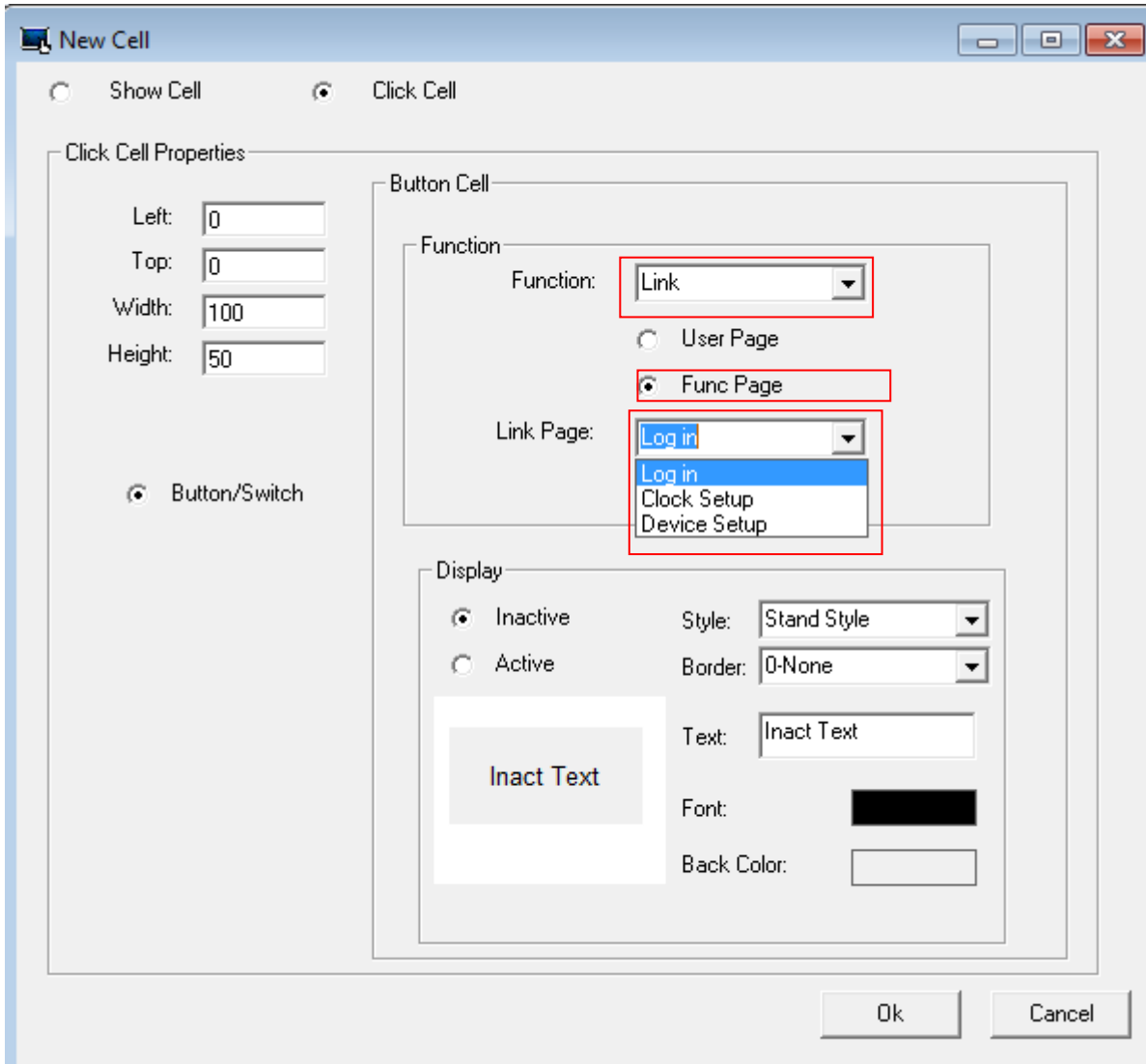
There are three types of function page:

Log in: To lock the touch screen by password

Clock Setup: To set to system clock

Device Setup: To set the touch screen.

(Please refer chapter 3)

STEP-2: Set inactive/active properties (refer 2-4).

STEP-3: Click "OK" and then the button will show on the current page.

2-6-2 SC Call

STEP-1: Select "Click Cell" in New Cell page. Select function "SC Call"

STEP-2: Select the zone number and scene number.

STEP-3: Select background and text for inactive and active status.(refer 2-4)

STEP-4: Set inactive/active properties (refer 2-4).

STEP-5: Click "OK" and then the button will show on the current page.

If you don't assign zone number, the zone number of this cell will follow the "dynamic zone number".

*The zone number is dynamic because the zone number is unchecked:*

SC Call function can also control the curtain controller by sending scene 7 (roll up) or scene 8 (roll down) or scene 9 (stop)

Curtain can be controlled by two different way:

If using "curtain control" in EDX click cell, the curtain will be controlled up or down by pressing the button. If the finger releases from the button, the curtain stops.

If using SC Call (scene 7 and scene 8) to control, the curtain will be up/down to the topmost/lowest side by click scene 7 or 8.
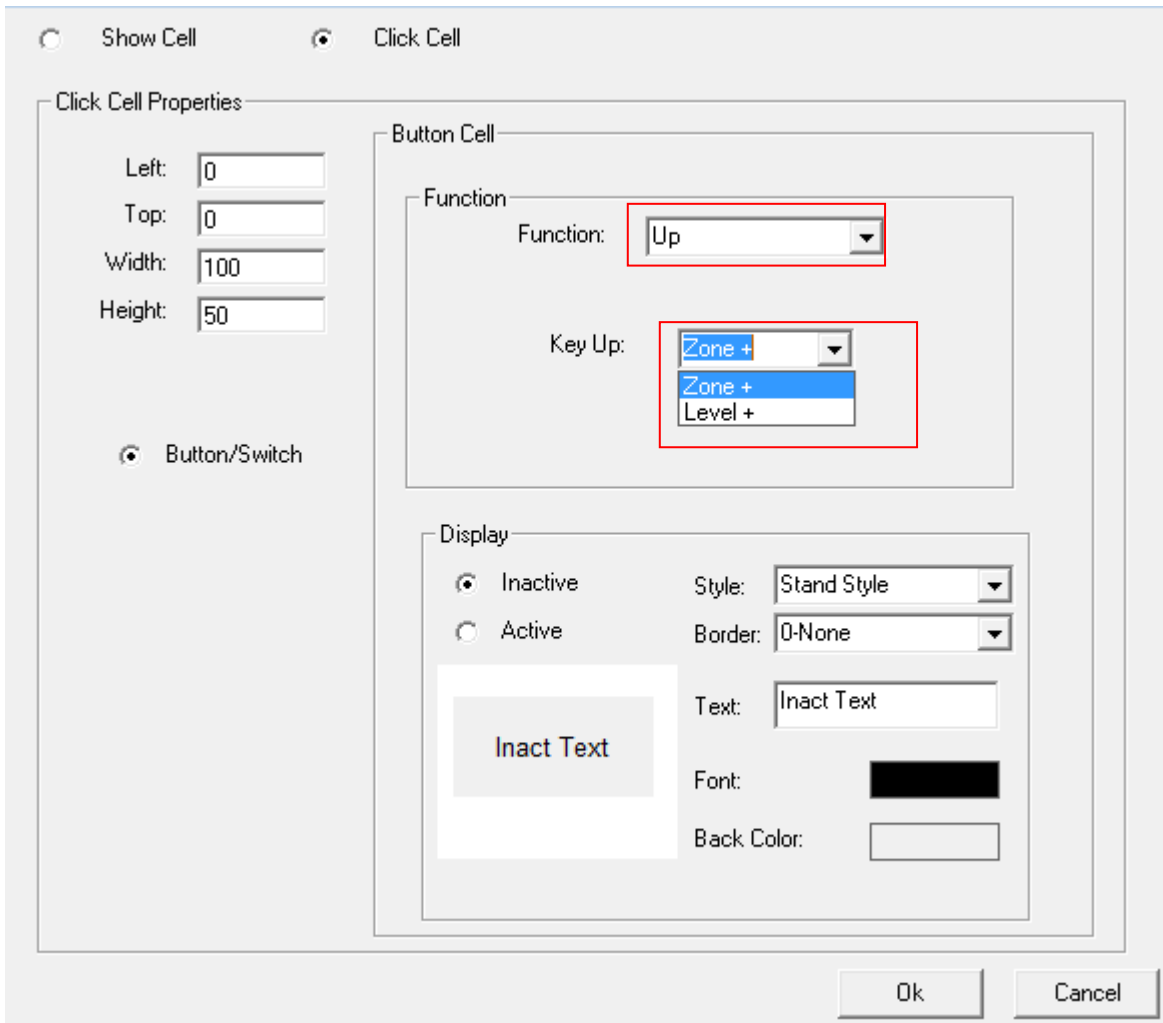
2-6-3 UP

UP cell can be either increase dynamic zone number or increase the dimming level.

STEP-1: Select "Click Cell" in New Cell page. Select function "UP"

STEP-2: Select "Zone +" or "Level +".

Zone +: Increase the dynamic zone number

Level +: Increase dimming level of the zone.

STEP-3: Set inactive/active properties (refer 2-4).

STEP-4: Click "OK" and then the button will show on the current page.

The dynamic zone number is for click cells which without the property of zone number.
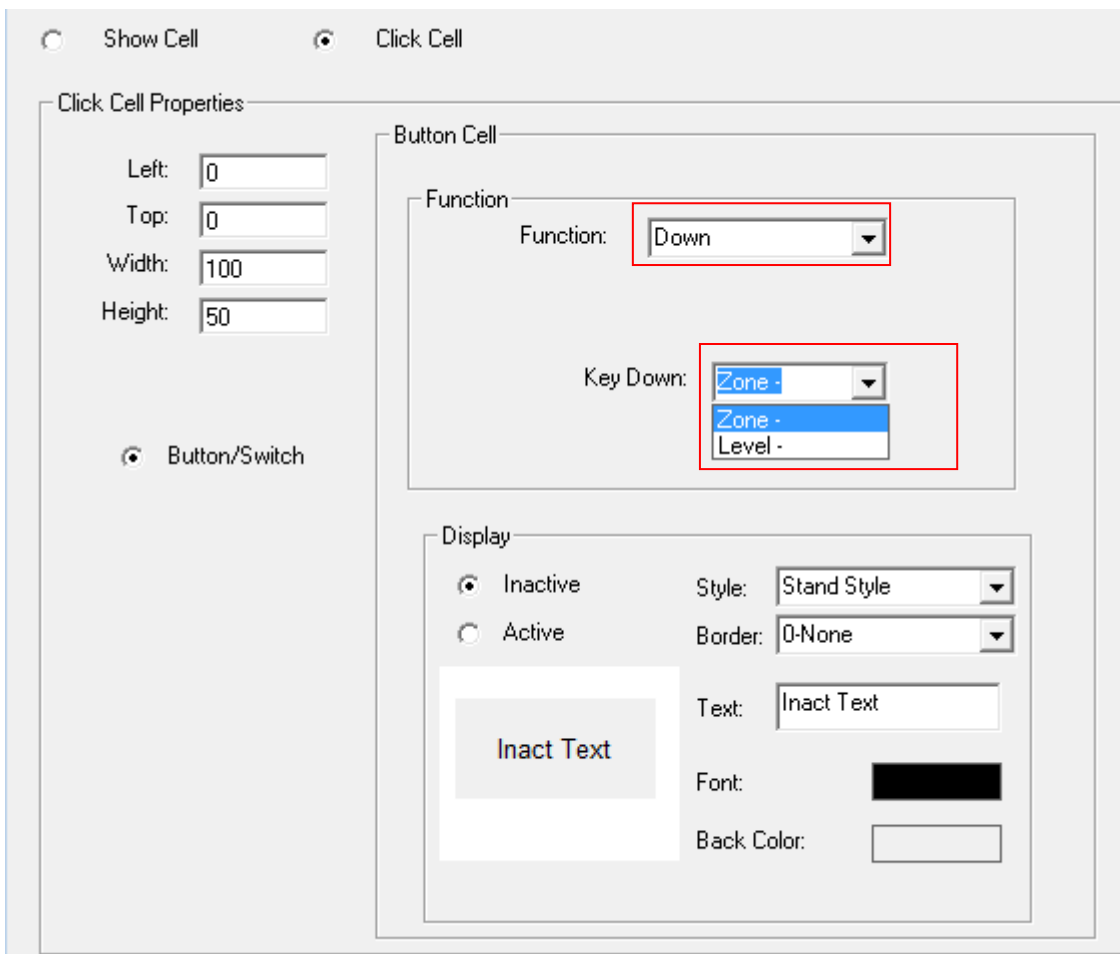
2-6-4 DOWN

DOWN cell can be either decrease dynamic zone number or decrease the dimming level.

STEP-1: Select "Click Cell" in New Cell page. Select function "DOWN"

STEP-2: Select "Zone -" or "Level -".

Zone -: decrease the dynamic zone number

Level -: decrease dimming level of the zone.


STEP-3: Set inactive/active properties (refer 2-4).

STEP-4: Click "OK" and then the button will show on the current page.

2-6-5 EDX

EDX click cell is for sending special EDX signal for controlling HVAC or other devices. The command of EDX click cell is totally customizable in terms of sending EDX signal.

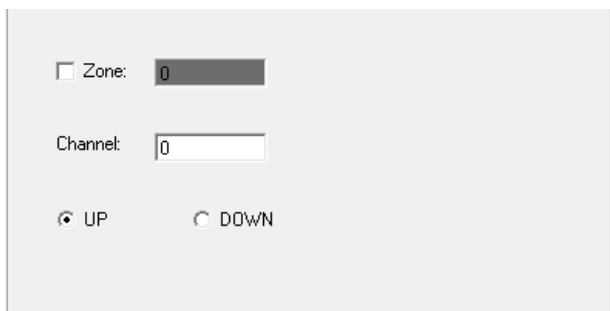## a. Control HVAC Fan Speed

STEP-1: Select "Click Cell" in New Cell page. Select function "EDX". Select "Function" and press "Edit"
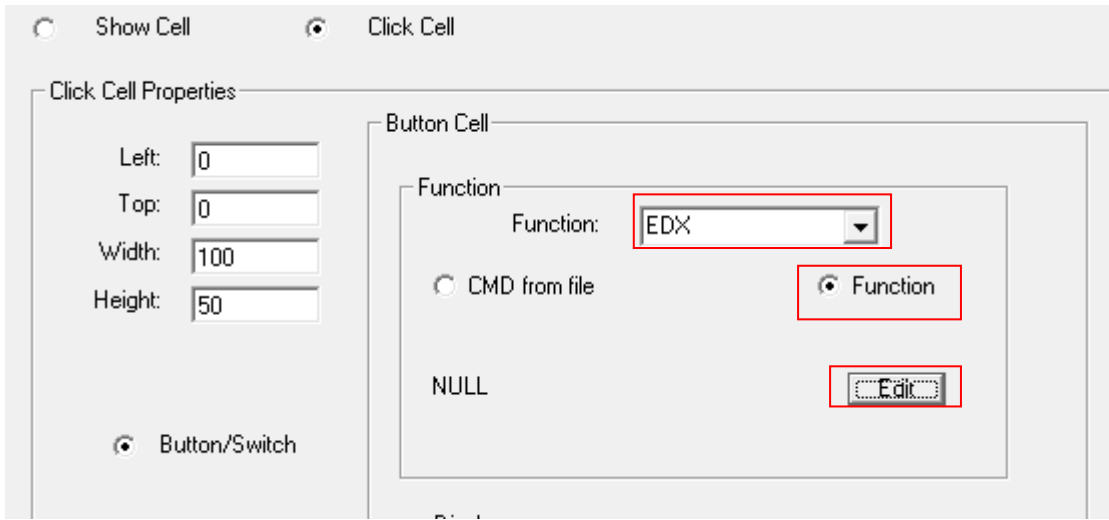
STEP-2: Select "HVAC Fan Speed" in the list.
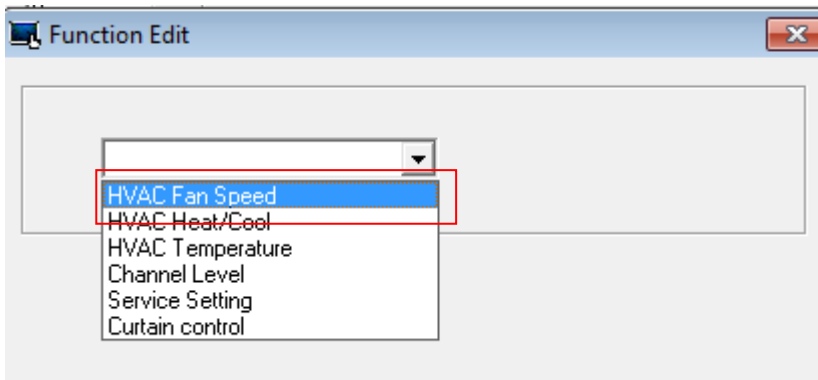
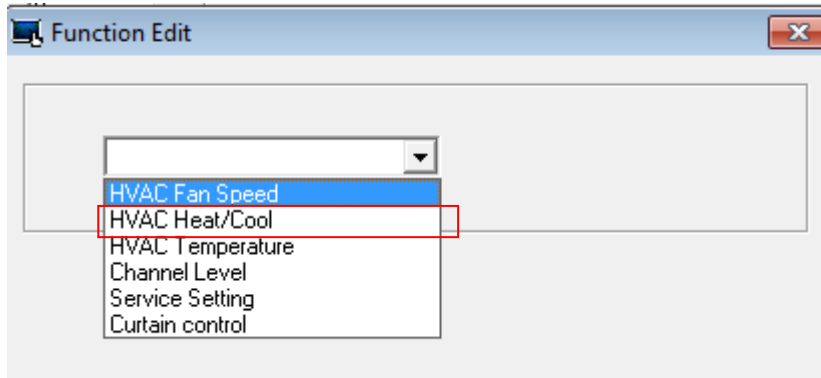STEP-3: Select the zone number of the HVAC controller and enter its DMX channel number. "UP" is to increase fan speed. "DOWN" is to decrease fan speed.
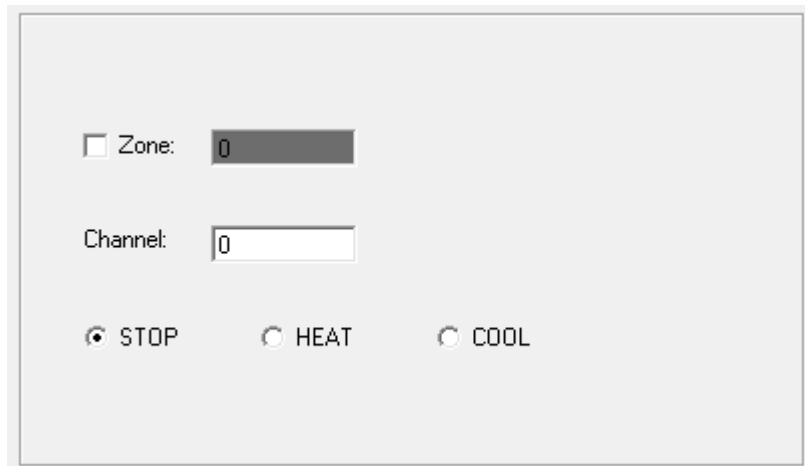

STEP-4: Click "Save" to save it.

b. HVAC Heat/Cool

STEP-1: Select "HVAC Heat/Cool" in the list.

STEP-2: Specify zone number and DMX-512 channel number of HVAC controller.
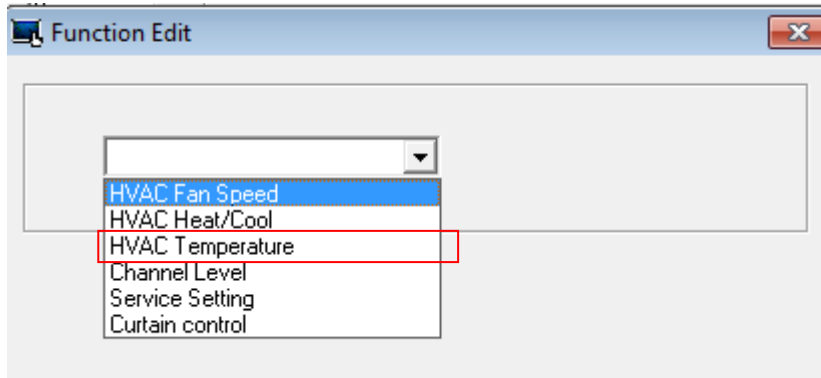
Specify "STOP" or "HEAT" or "COOL" as the command.

STEP-4: Click "Save" to save it.

c. HVAC Temperature

STEP-1: Select "HVAC Temperature " in the list.

STEP-2: Specify zone number and DMX-512 channel number of HVAC controller.

Specify "UP" or "DOWN" or "COOL" as the command.

UP: increase temperature

DOWN: decrease the temperature
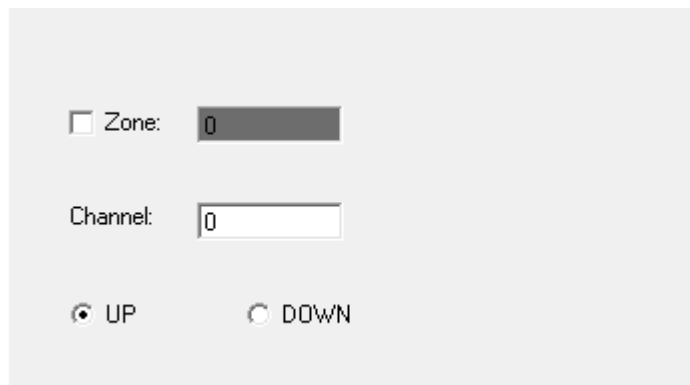
STEP-4: Click "Save" to save it.

d. Channel Level

Channel level is to directly control the DMX-512 level of DP-NE100

STEP-1: Select "Channel Level " in the list.

STEP-2: Specify the DMX-512 channel and its level as heximal.

STEP-3: Click "Save" to save it.

e. Service Setting (engineering function)

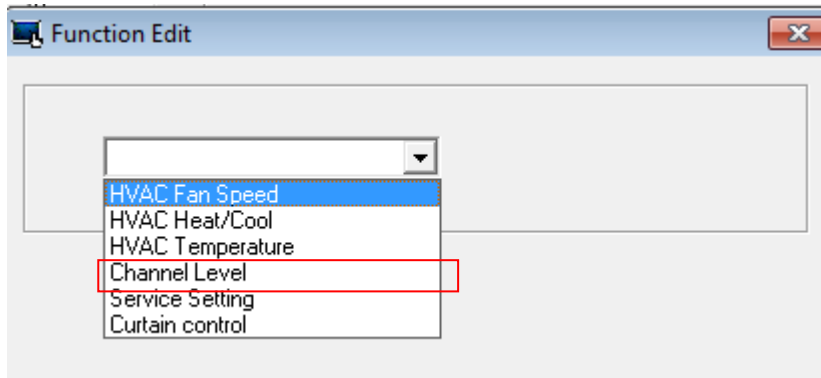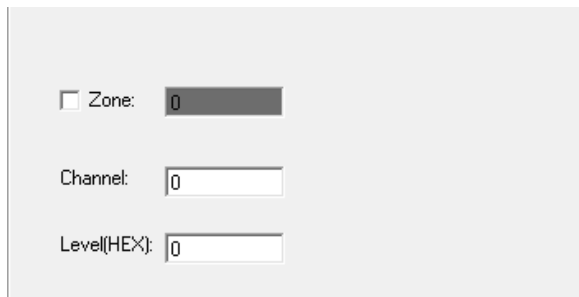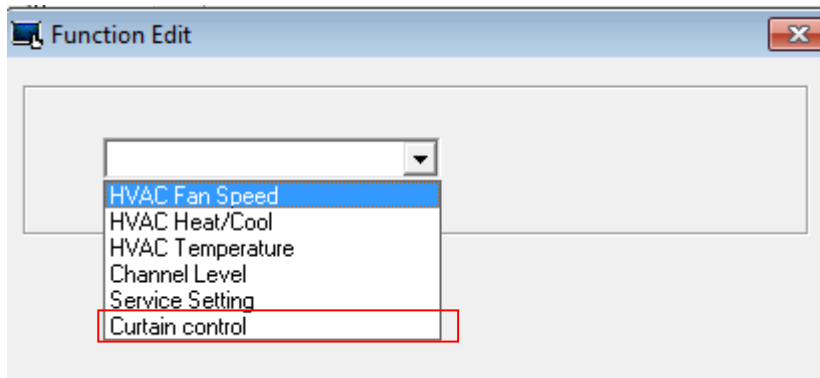To set or clear service status.

f. Curtain Control

STEP-1: Select "Curtain Control " in the list.

STEP-2: Specify zone number of the curtain controller. Specify "UP" or "DOWN' as the command to control the curtain.
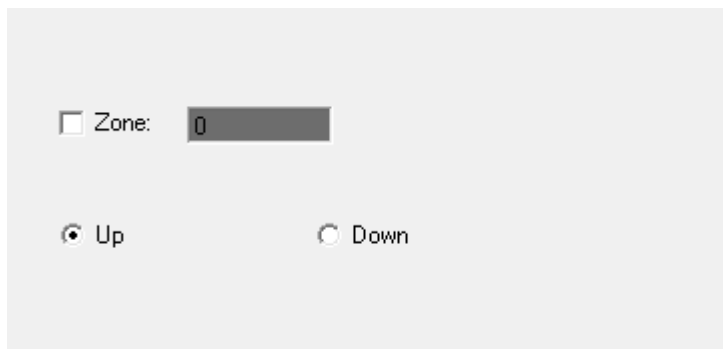
STEP-3: Click "Save" to save it.

Curtain can be controlled by two different way:

If using "curtain control" in EDX click cell, the curtain will be controlled up or down by pressing the button. If the finger releases from the button, the curtain stops.

If using SC Call (scene 7 and scene 8) to control, the curtain will be up/down to the topmost/lowest side by click scene 7 or 8.

g. CMD from file (engineering function)

This function is to send a batch of customizable EDX command. Up to 128 commands can be sent at the same time.

STEP-1:Select "Click Cell" in New Cell page. Select function "EDX". Select "CMD from file" and press "Edit"
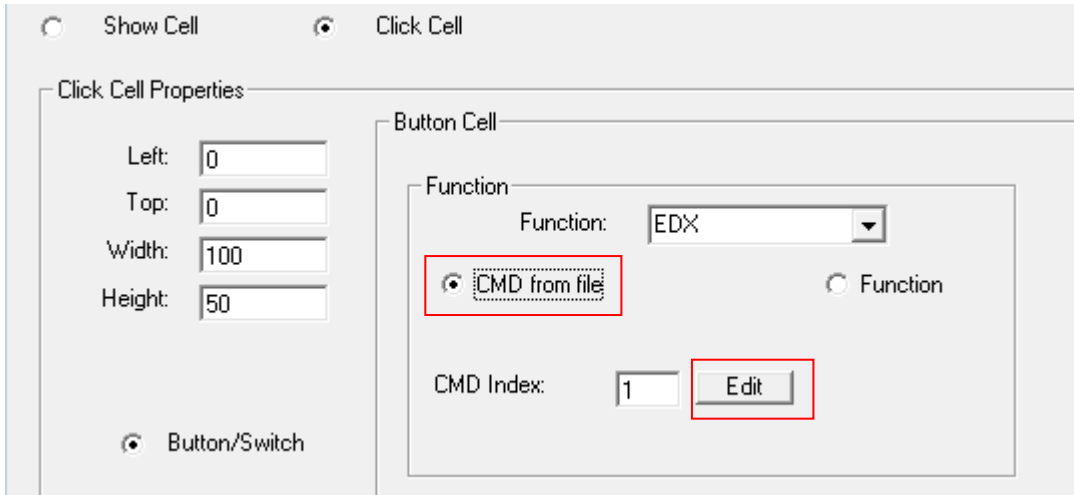
STEP-2: Enter the EDX command in the list.

2-7 Save the project and upload data

STEP-1: Click "Save Project" button.

STEP-2: A warning message showed. Press "OK"
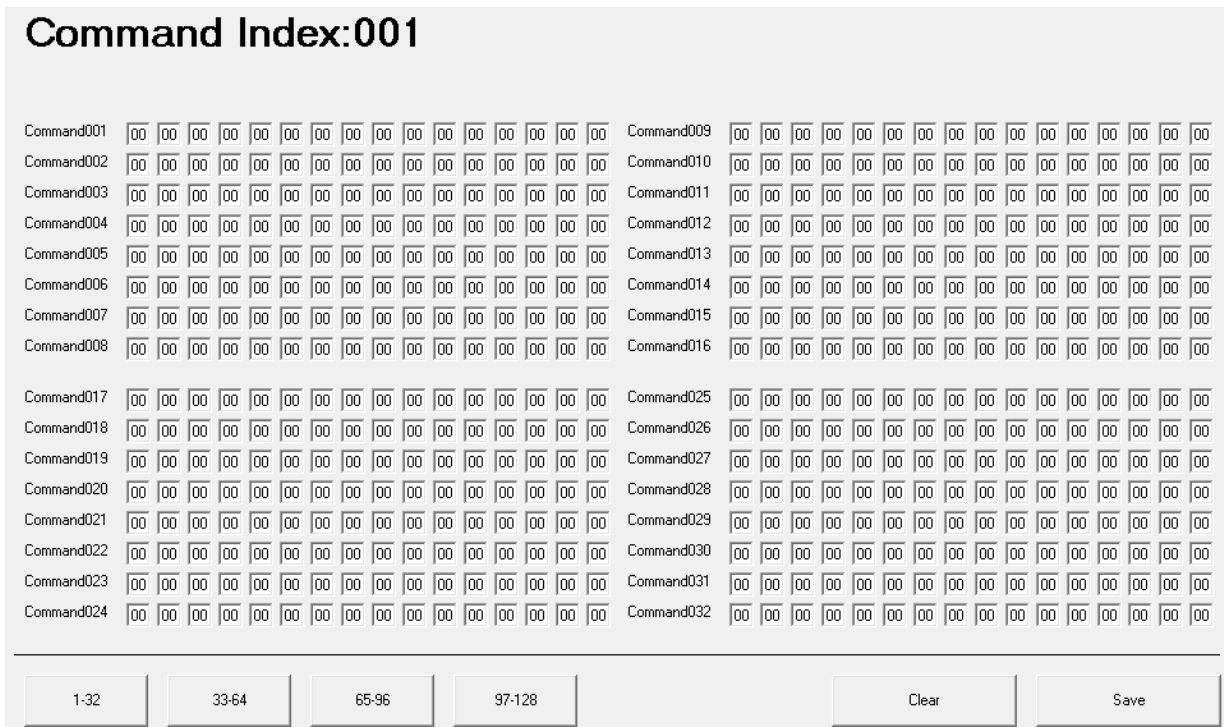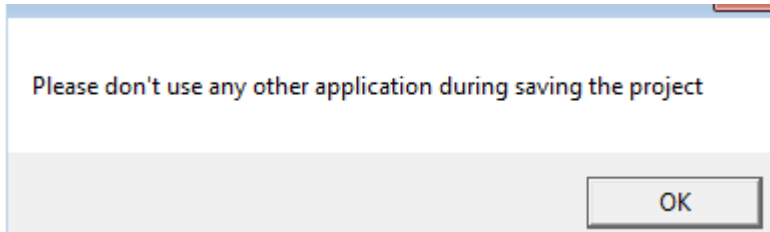

STEP-3: A message shows after saving the file. Press "OK" to start uploading data to the touch screen.
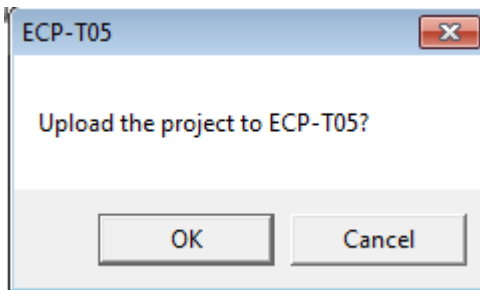
STEP-4: Make sure the touch screen is connected to the PC by USB cable. Select the disk location of the touch screen. Press "Save"
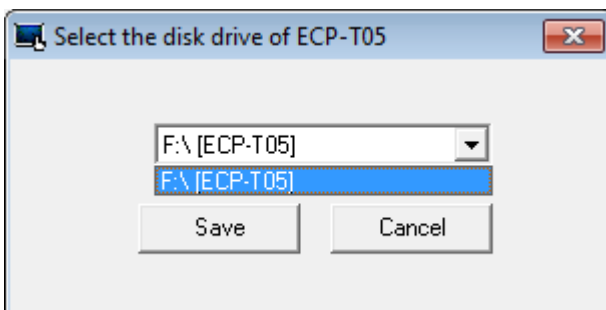
STEP-5: Wait till copying process finished.

STEP-6: Restart the power of the touch screen to update data.

3.Built-in Functions

3-1. Log In Function

After entering Log In, user can click "LOCK" to lock the screen. The user can click password field to unlock by small keyboard, and click "CHANGE KEY" to modify the password.
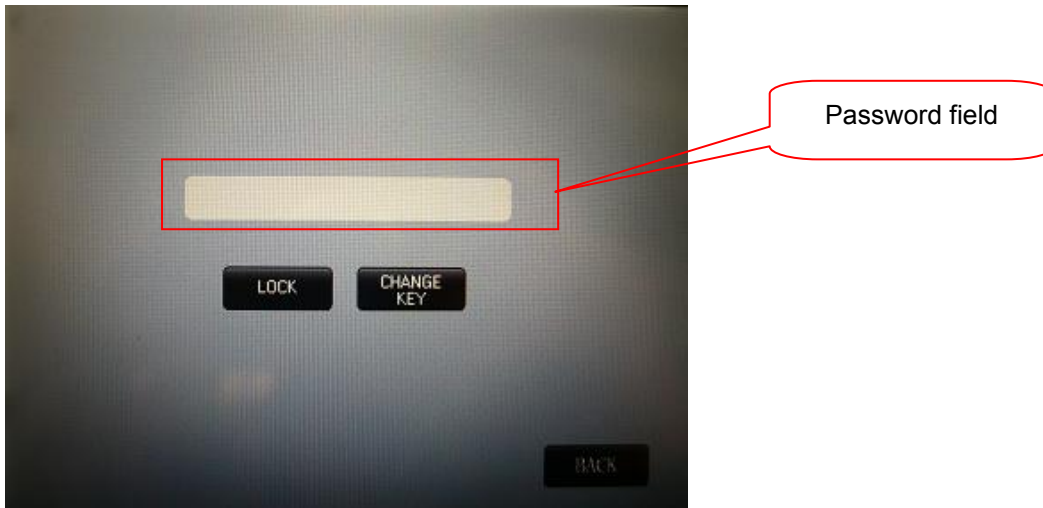
Click password field will pop up small keyboard, and the user can key the password. The default password is 123456.
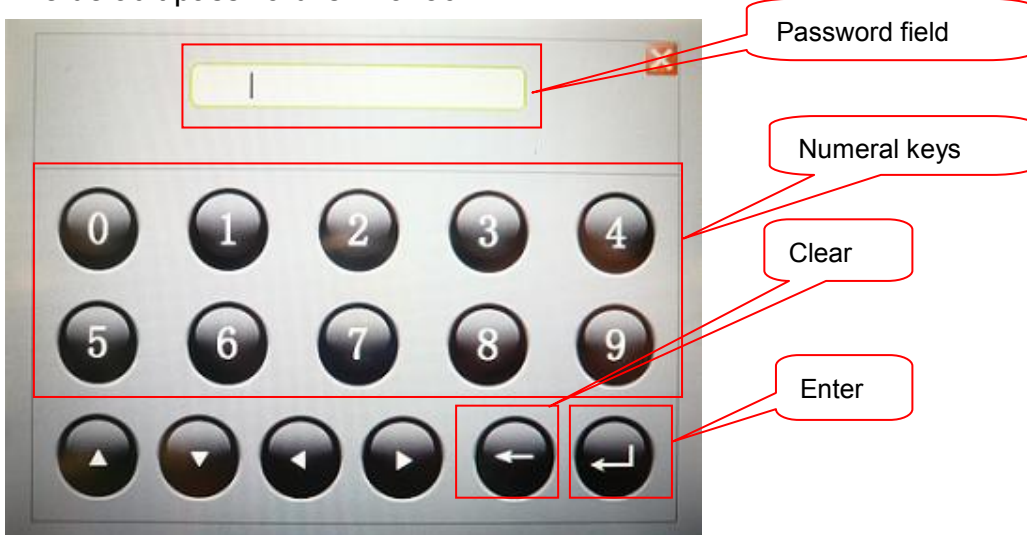
Click "Enter" after entering the password:

Unlock and quit

To change password, click "CHANGE KEY" to enter the below interface
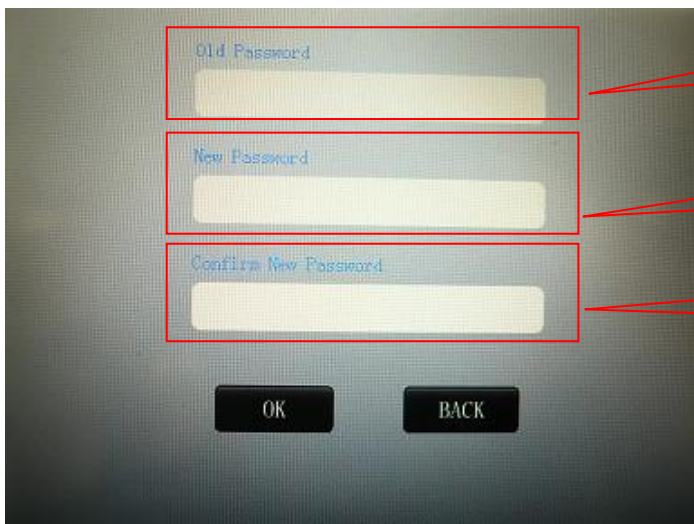
Enter old password

Enter new password

Re-enter new password

3-2. Clock
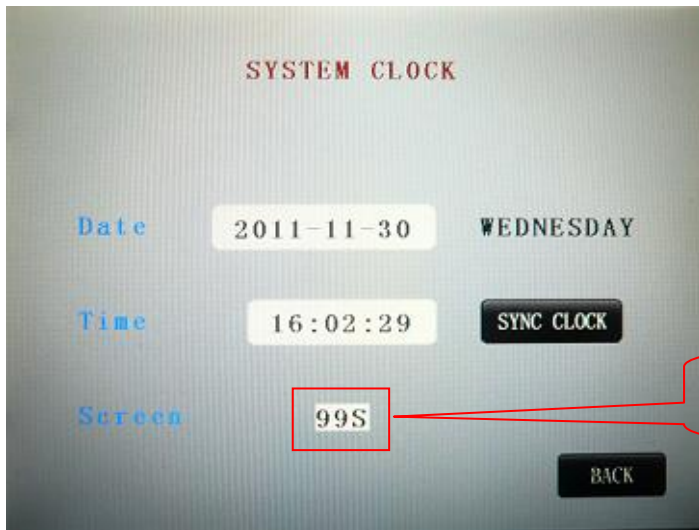
To edit date and time, click date or time and a small keyboard and direction keys will pop up. Set date and time by small keyboard or up/down/left/right keys.
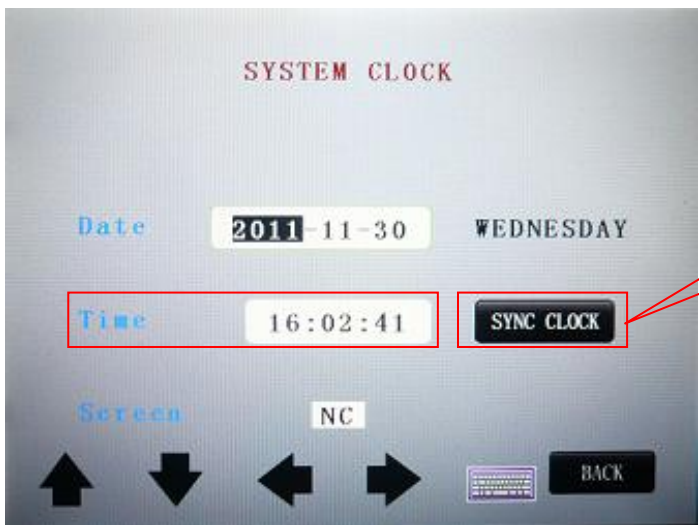
Screen：Set the screen idle time. Click the white area and set screen idle time by up/down key. When the idle time is set, the screen will enter the protection status after the preset time. User can quit the screen protection status by pressing screen.

"NC" means shut the function. The minimum idle time is 03 seconds.

3-3. Device Setting

a. VOICE ON/OFF: Turn on or off the speaker.

b. BACK LIGHT: Adjust background brightness by the left/right button.

c. DEVICE MODE *(not applicable for NEX version)*: Select to recall scene or sequence**.**

> *(Sequence mode is not applicable for NEX version, please select "Scene" as the mode)*

d. INFRARED *(not applicable for NEX version)*: ON= receive IR signal. OFF=not receive IR signal.

e. IP ADDRESS/ MAC ADDRESS*(not applicable for NEX version)*: Click the white column after IP ADDRESS/ MAC ADDRESS, 4 direction button and a small keyboard will appear for setting the numbers. MAC ADDDRESS also can be set by "RANDOM". When using small keyboard to set, click "Enter" to save the changes.

Limited Warranty

1. Lite-Puter is only responsible for the product itself.

2. Lite-Puter guarantees to keep Lite-Puter's from manufacturing defects within a year since the distributing date.

3. Lite-Puter does not offer on-site service. If the defects appears in Lite-Puter's product, please deliver the product to local distributors or to Taipei headquarters.

4. The warranty does not cover:

    a. Any fault caused by false usage, imprudence (collision, inadequate installation or adjustment, insufficient ventilation, or improper repairs)

    b. Force majeure factors (flooding, earthquake, volcanic eruption, or other factors beyond Lite-Puter control).

    c. The cost of installing, reinstalling, adjusting, repairing, or reprogramming the product.

    d. Other products or devices which are offered by Lite-Puter or not by Lite-Puter.

5. Lite-Puter does not warrant the product will operate without interruption or being free of error.

Revision Record

Version	Record
A	First issued

Issued: July, 2012

Lite-Puter

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