KNX Multitouch Pro

Menu of the KNX Multitouch Pro

User manual

This document describes how to operate the user interface of the KNX Multitouch Pro.

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Notes
Read through the following instructions carefully and familiarise yourself with the device prior to operation.

NOTE
NOTE provides information about procedures that do not present any risk of material damage.

Further information
You will find additional information here to make your work easier.

Depictions in this document
Style and text features used

<table>
<thead>
<tr>
<th>Depiction</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operation section</strong></td>
<td>Cross-references</td>
</tr>
<tr>
<td><img src="symbols.png" alt="Symbol" /></td>
<td>Symbol for operation in the user interface <em>(Symbols --&gt; 26)</em></td>
</tr>
<tr>
<td><img src="home.png" alt="Symbol" /></td>
<td>Symbol in the user interface <em>(Symbols --&gt; 26)</em></td>
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1 Familiarising yourself with the user interface

This section provides an overview of the screen pages of the KNX Multitouch Pro. You can use the screen pages to activate room functions, read information and adjust general settings. You can navigate from room function to room function, and from each room function to its sub functions. You can activate the functions using the service buttons and controllers.

**Room functions**

Examples of room functions including switching lights on and off, dimming, controlling blinds, altering the room temperature and activating scenes. Your installation technician will have installed the correct room functions to suit your installation and requirements. You can use your KNX Multitouch Pro to control up to 32 room functions (up to 4 on each screen page).

Depending on the scope of functions available to you, you may be able to navigate to further sub function pages from a room function. You can then use these pages for actions such as adjusting the slats of a blind or night reduction for the room temperature control unit.

**Settings**

There is also a screen page for altering your general settings. This allows you to activate and deactivate functions such as the gesture function, the standby function and the screen saver, for example.

Other settings, such as the brightness and the time after which the screen saver or standby mode will be activated, can be altered on the sub function pages.

**Messages and information**

If you wish, you can set the system to display messages such as "Strong wind" or "Person detected" on a screen page.

The outdoor and indoor temperature, current energy consumption and other information can also be displayed. These values will appear on a screen page.
Familiarising yourself with the user interface

Menu of the KNX Multitouch Pro

Navigation overview

A Main functions
B Sub functions

Gesture function
When the gesture function is switched on, the KNX Multitouch Pro can detect a hand movement and respond by activating a function that you have defined. In this way, the light can be switched on by a gesture when you enter the room, for example. The gesture is detected at a distance of about 10 cm in front of the device. The system can detect both horizontal and vertical movements, as well as the direction of movement. This means that you can set an upwards movement to switch the light on and a downwards movement to switch it off, for example. If your system is configured accordingly, you can activate and deactivate the gesture function on the settings screen page.
2 How to operate the menu

In this section, you will learn how to activate the screen, navigate to the screen pages and activate all the functions.

2.1 Starting operation

You can choose whether to keep the screen switched on at all times or set it to only switch on when touched or approached. When the display is in standby mode, the backlight will be switched off or a screen saver will be running on it.

Proximity function

If you come within 20 cm of the device, the main screen or the last used screen will appear.

Touching the screen

When you touch the screen, the main screen or the last used screen will appear.

Main screen

When the system is running, the main screen appears after a user-defined period of time, or after a device restart.

Screen lock

If a screen lock has been set up, you can lock the device. You can then unlock the device using a 4-figure code.

Activating the screen saver and switching off the backlight

The time until the screen saver is activated and the backlight is switched off can each be set to any value between 1 and 600 seconds. This time is reset each time one of the following events occurs:

- Proximity
- Gesture
- Action on the screen
2.2 Navigation

In this section, you will learn how to navigate to all the screen pages. Navigation is performed using 2 finger movements.

Swiping right/left
Go to the next screen page and back.

Tapping
Jump to the next sub function page and back.

Navigation overview
2.3 How to activate functions

In this section, you will learn how to activate the functions on the screen pages. You can activate the functions by either tapping or swiping.

How functions are displayed

Functions are displayed in one of three ways:
- Control dial design
- Vertical design
- Button design

The blind function is shown in this example. With the control dial design, you can adjust the slats on a sub function page. With the vertical design, both functions are on one screen. The button design, allows you to operate up to 4 blinds, depending on your configuration.

Which movements activate which functions?

You can activate the functions by either tapping or swiping.

<table>
<thead>
<tr>
<th>Movement</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tapping</td>
<td>- Activate</td>
</tr>
<tr>
<td></td>
<td>- Activate and deactivate</td>
</tr>
<tr>
<td></td>
<td>- Retrieve values directly</td>
</tr>
<tr>
<td></td>
<td>- Change values incrementally</td>
</tr>
<tr>
<td>Tap and hold</td>
<td>- Special action, e.g. move blind when held down</td>
</tr>
<tr>
<td></td>
<td>- Activates the second function, e.g. save values</td>
</tr>
<tr>
<td>Swipe up/down</td>
<td>Change values continuously</td>
</tr>
<tr>
<td>Swipe circular</td>
<td>Change values continuously</td>
</tr>
</tbody>
</table>
Control dial design

How to operate a control dial

Example: dimmer

Function symbol for lighting
Vertical design

How to operate a vertical control

Example: adjusting brightness
The marking point indicates the selected brightness on the value scale.
Activation buttons

How to activate a function

Example: comfort mode
White service button = comfort mode activated
Grey service button = comfort mode deactivated
**Buttons for incremental adjustment in the vertical design**

![Diagram of buttons and function display]

**How to change values incrementally**

![Diagram of values, change incrementally, current status, and set value]

**Example: duration of comfort mode**

01:30

The set duration is shown.
3 Function examples

This chapter shows how to operate the device for a few typical applications. These instructions are intended solely as examples. Your installation technician will have installed the correct room functions to suit your installation and requirements.

3.1 How to switch and dim the lights

Here, you will see how to switch and dim on the Light room function page. In this example, a control dial design has been selected.

Dimming speed

You can follow the dimming result directly as it happens in front of you. To do this, adapt your swiping to the speed of the dimmer.
3.2 How to move blinds and adjust slats

In this example, a vertical design has been selected. Here, you can raise or lower the blind and adjust the slats on a room function page.

Blind moving time
You can set the desired position straight away. The blind will generally reach this position a little later. Depending on its speed and the distance it needs to travel, a blind may take several minutes to complete the required movement.

Slats
You can follow the adjustment of the slats live. To do this, adapt your swiping to the movement of the slats.

You can set blinds with different angles of opening. The symbol does not reflect the actual angle at which the slats of your blind are open.
3.3 How to adjust the room temperature control unit

Your installation will have set up your system for heating, cooling or both. The following examples show how to adjust your room temperature control unit. The examples are shown with the control dial design.

Setting the desired current temperature

The room temperature control unit compares the current room temperature with the desired (setpoint) temperature and heats and cools the room accordingly.

You can alter the setpoint temperature within a pre-defined range:
- Adjusting the room temperature in heating mode --> 17
- Adjusting the room temperature in cooling mode --> 18

There are operating modes with different setpoints to suit room usage and different times of day. For example, the heating temperature can be set to 21°C for comfort mode and 17°C for night mode.

You can switch between different operating modes:
- Activating comfort, ECO or night mode --> 20
- Activating comfort mode on a timer --> 21

Protection mode

You can switch off the heating and cooling for the room using a protection function.

In heating mode, activate the frost protection. The heating is switched off. If the temperature drops significantly (e.g. to below 7°C), the heating will switch on again.

In cooling mode, activate the heat protection. The cooling is switched off. If the temperature increases significantly (e.g. to above 35°C), the cooling will switch on again.

- Activating protection mode --> 22

Fan control

When fan coil units are in use, the speed of the fan changes. The speed depends on the control system, and is set automatically. If necessary, you can alter the speed:
- Adjusting the speed of the fan --> 23

Navigation

You can adjust the room temperature control unit on the room function page and the sub function pages:
- Jumping from the room function to the sub functions --> 19
Adjusting the room temperature in heating mode

The room temperature control unit compares the current (actual) room temperature with the desired (setpoint) temperature. If necessary, you can alter the setpoint temperature.

In heating mode, the setpoint temperature is shown in red.

Setting the setpoint temperature

You can alter the setpoint temperature within a pre-defined range (e.g. +/-5°C). Your installation technician will set this range for you.

You will usually want to use comfort mode if you are going to be in the room for a longer period of time.

You can also change the setpoint by activating a different operating mode (Activating comfort, ECO or night mode --> 20).
Adjusting the room temperature in cooling mode

The room temperature control unit compares the current (actual) room temperature with the desired (setpoint) temperature. If necessary, you can alter the setpoint temperature.

In cooling mode, the setpoint temperature is shown in blue.

Setting the setpoint temperature

You can alter the setpoint temperature within a pre-defined range (e.g. ±5°C). Your installation technician will set this range for you.

You will usually want to use comfort mode if you are going to be in the room for a longer period of time.

You can also change the setpoint by activating a different operating mode (Activating comfort, ECO or night mode --> 20).
Jumping from the room function to the sub functions

You can access other sub function pages from the room function page for the room temperature control unit. These allow you to adjust the time limit on the comfort mode and select operating modes, for example.

- **Swiping right/left**
  Go to the next screen page and back

- **Tapping**
  Jump to the next sub function page and back
Activating comfort, ECO or night mode
You can activate comfort, ECO or night mode if you want to adjust the room temperature to the current room usage.

On the sub function page, you can choose night mode, ECO mode or comfort mode.

Activating comfort, ECO or night mode
When you are in a room, you will generally want to keep the system set to comfort mode. You can also adjust the setpoint using the control dial (Adjusting the room temperature in heating mode → 17).

In heating mode, the temperature is reduced by 2°C, for example.

In heating mode, the temperature is reduced by 4°C, for example.
Activating comfort mode on a timer

This example shows you how to activate comfort mode for a limited period of time. You can switch to comfort mode from night mode or ECO mode.

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Comfort mode with timer

You are in the room for longer than usual. If night mode is already activated, for example, you can activate comfort mode. Night mode will be activated automatically when the set time period has elapsed. This helps you to save energy. You can also switch to another operating mode before the time elapses.
Activating protection mode

This example shows you how to activate and deactivate protection mode. In heating mode, activate the frost protection. The heating is switched off. If the temperature drops significantly (e.g. to below 7°C), the heating will switch on again. In cooling mode, activate the heat protection. The cooling is switched off. If the temperature increases significantly (e.g. to above 35°C), the cooling will switch on again.

Frost/heat protection

Your installation technician will set the frost protection setpoint for you. A setpoint of 7°C will usually ensure that the water in the pipes cannot freeze. In some cases, however, the individual radiator may be too small. As such, we recommend closing the windows when you are not in the room and, in case of frost, only opening the windows to air out the room.

Your installation technician will set the heat protection setpoint for you (e.g. 35°C).

Your installation technician can set the frost/heat protection to come on automatically when a window is opened, for example. In such cases, the protection mode will not be deactivated automatically until the window is closed again.
Adjusting the speed of the fan

This example shows you how to adjust the fan level or switch to automatic mode. In manual mode, you can adjust the speed or switch the fan off. In automatic mode, the speed of the fan depends on the room temperature control unit.

Fan speed

Depending on which fan is installed in your system, it may take a while for it to reach the selected power level.
3.4 How to operate scenes

The Scenes room function allows you to load several functions simultaneously at the push of a service button. For example, you can dim several lights at once while also altering the room temperature.

The scenes are designed to suit the different ways the room can be used. For example, the “Video” scene switches off the lamps or dims them to minimum brightness, while the “Dinner” scene makes the lights above the dining table brighter.

If your system is configured accordingly, you can also change and save the settings for a scene (Saving scenes --> 25). Please ask your installation technician to find out which saving concept has been set up for you.

Loading scenes

In this example, we will load four different scenes. Each scene adjusts the lighting and the room temperature control unit.

The scene button lights up when a scene is being loaded. Once the scene is loaded, it turns grey again.

Example

<table>
<thead>
<tr>
<th></th>
<th>Scene 1</th>
<th>Scene 2</th>
<th>Scene 3</th>
<th>Scene 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ceiling lamp</strong></td>
<td>On</td>
<td>Off</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td><strong>Standard lamp</strong></td>
<td>60%</td>
<td>30%</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Room temperature</strong></td>
<td>21°C Comfort</td>
<td>21°C Comfort</td>
<td>21°C Comfort</td>
<td>17°C Night</td>
</tr>
</tbody>
</table>

Instead of the symbols, your installation technician can also configure your buttons so that they are labelled by name.
Saving scenes
If your system is configured accordingly, you can change and save the settings for a scene. This example shows you how to alter the brightness of a standard lamp from 30% to 50%. You can then save this setting for the Video scene.

1. Load scene
2. Navigate to light
3. Set brightness to 50%
4. Navigate to the scenes
5. Save scene
6. Load scene

Current standard lamp brightness 30%
Current status 50% brightness

Current brightness of standard lamp: 50%. All other settings remain the same.
4 Symbols

This section shows the symbols that may appear on the screen pages of the KNX Multitouch Pro. The lists are arranged by function.

4.1 Operation and navigation

- **Tapping**: Activating functions
- **Tap and hold**: Activating the 2nd function (e.g. save settings) Special action (e.g. move blind when held down)
- **Swipe up/down**: Change values continuously using a slider
- **Swipe circular**: Change values continuously using a control dial
- **Swiping right/left**: Go to the next screen page and back
- **Load sub function**: Switch from the main level to a sub function
- **Return to main level**: Back to room function, information or setting

4.2 Settings

- **Standby function / Always On function**: Standby when approaching or touching the screen / Always On without standby
- **Gesture function**: Activates a function (e.g. switch on light)
- **Screen saver**: Page with information or saved images
- **Time for screen saver**: Start and adjust time until the screen saver comes on
- **Day/night mode**: Brightness in day/night mode
- **Brightness**: Screen backlight
- **Function on/off**: Start and adjust time until the screen is switched off
- **Device is locked**: Enter 4-figure code to unlock
- **Device is unlocked**: The device can be locked
4.3 Lighting and switching

- Table/standard lamp
- Ceiling lamp
- Spotlight
- Incandescent lamp
- Incandescent lamp with spotlight function
- Brightness

4.4 Blind

- Blind position
- Slats position
- Blind up
- Blind down
- Turn slats down
- Turn slats up
### 4.5 Room temperature control unit

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Temperature" /></td>
<td>Actual temperature</td>
</tr>
<tr>
<td><img src="image2" alt="Temperature" /></td>
<td>Setpoint temperature</td>
</tr>
<tr>
<td><img src="image3" alt="Heating" /></td>
<td>Heating mode</td>
</tr>
<tr>
<td><img src="image4" alt="Cooling" /></td>
<td>Cooling mode</td>
</tr>
<tr>
<td><img src="image5" alt="Comfort" /></td>
<td>Comfort mode</td>
</tr>
<tr>
<td><img src="image6" alt="ECO" /></td>
<td>ECO mode</td>
</tr>
<tr>
<td><img src="image7" alt="Night" /></td>
<td>Night mode</td>
</tr>
<tr>
<td><img src="image8" alt="Time" /></td>
<td>Time control</td>
</tr>
</tbody>
</table>
| ![Protection](image9) | Protection mode | Frost protection, e.g. 7°C  
Heat protection, e.g. 35°C |
| ![Fan](image10) | Fan level | Current fan speed (0-3) |
| ![Auto](image11) | AUTO | Automatic mode | Fan-speed is dependent on controller |

### 4.6 General

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image12" alt="Switch" /></td>
<td>On</td>
</tr>
<tr>
<td><img src="image13" alt="Switch" /></td>
<td>Off</td>
</tr>
<tr>
<td><img src="image14" alt="Switch" /></td>
<td>Start</td>
</tr>
<tr>
<td><img src="image15" alt="Plus" /></td>
<td>Plus</td>
</tr>
<tr>
<td><img src="image16" alt="Minus" /></td>
<td>Minus</td>
</tr>
<tr>
<td><img src="image17" alt="Up" /></td>
<td>Up</td>
</tr>
<tr>
<td><img src="image18" alt="Down" /></td>
<td>Down</td>
</tr>
</tbody>
</table>
4.7 Scenes

Day
Night
Energy-saving
Sitting
Reading
Getting dressed
Television
Meeting friends
Dining
Sleeping
Night light
Lock
Presence simulation
Number 1 (1-6)

4.8 Information

Energy consumption
Room temperature
Relative humidity
CO₂ content
Water consumption
4.9 Service messages

- Cleaning
- Service call
- First aid
- Do not disturb