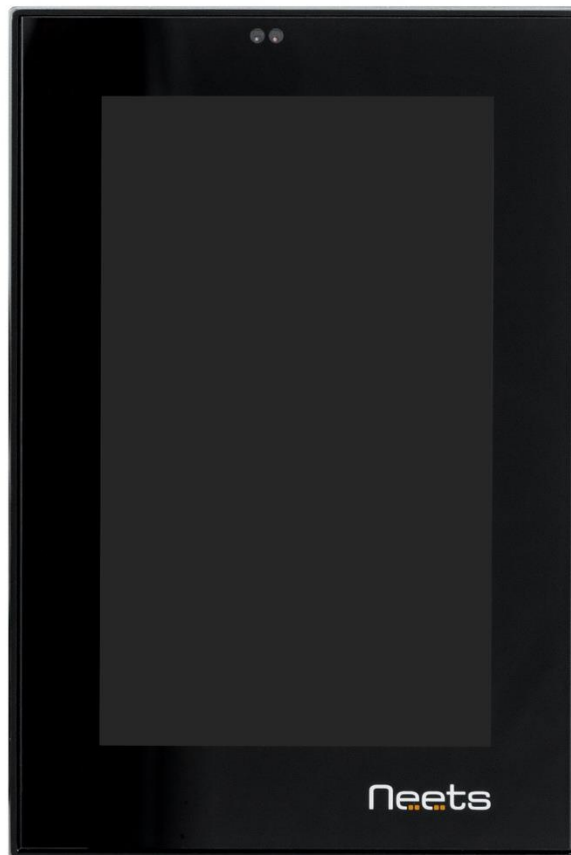


Neets - Touch Panel 4"

Configuration guide



Foreword

This document describes how to configure and operate the Neets – Touch Panel 4”

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CHANGES - Neets reserve the right to change the specification and functions of this product without prior notice.

Questions, **AFTER** reading this manual, can be addressed to your local distributor or:

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 8700 Horsens
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by E-Mail: Support@Neets.dk
 or you may use our contact form at www.neets.dk

Revision list

This document has the following revision changes:

Author: Date	Description	Pages	Rev
DB, 20-07-2018	First version		REV 0

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Specifications

4" touch panel

800x480 resolution IPS panel with full viewing angle (brightness 400 nits).

Dpi : 234

PoE support

Power through PoE (Power over Ethernet).

Class 2 (up to 6,5 watt)

Sensors

Proximity sensor – For automatic display activation

Ambient Light sensor – For automatic backlight dimming.

Touch Screen

2-point capacitive touch screen

Scratch resistant glass-on-glass touch screen.

Connections

RJ45 with POE – For both Power and Ethernet communication

Micro USB (for FW upgrade only).

Power

Power over Ethernet (PoE), IEEE802.3af, 48V

Compliance

Approval: CE, FCC

Switches

Pen hole switch:

1. Recover
2. Home
3. Reboot
4. Settings

Wall mount

Fits standard 1-gang DK, EU or US back box and wall bracket included.

Design Templates

Use graphical templates or completely customize the GUI in Project Designer.

Control System compatibility

Compatible with Neets Control Systems SieRRa II, TanGo, AlFa II, DelTa and LiMa.

Dimensions

Width: 77 mm / 3.03 inches

Height: 115 mm / 4.53 inches

Depth: 41,4 mm / 1.63 inches

- On wall: 17mm / 0.67 inch

Shipping dimensions

Width: 135 mm / 5.31 inches

Height: 165 mm / 6.5 inches

Depth: 60 mm / 2.36 inches

Weight

Product: 0,16 kg

Wall Bracket: 0,09 kg

Shipping: 0,36 kg

Environment

Operating Temp: 0 to 40 C / 32 to 104F

Storage Temp: 0 to 60 C / 32 to 140F

Operation moisture: Humidity: 10% to 90% RH

Product item number

313-0005

Installation

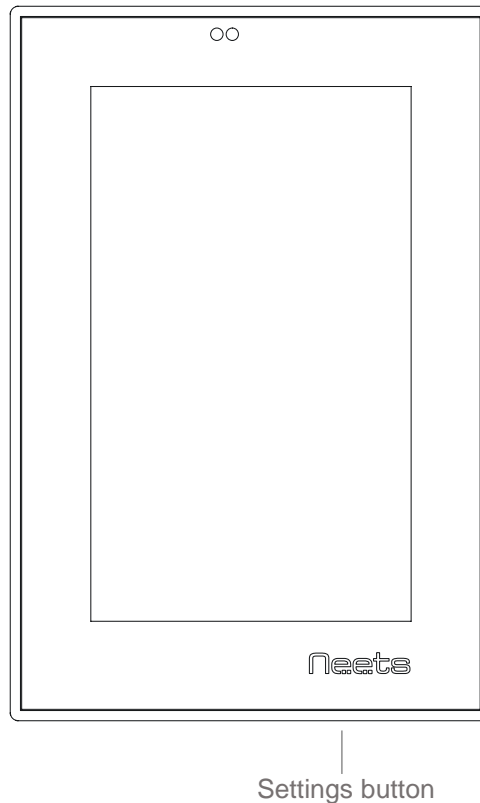
The Neets – Touch Panel 4” is designed to be easily installed on the wall.

When you receive the Touch Panel, an “Installation Guide” will be included. The Installation Guide is also available at neets.dk in the Touch Panel 4” section.

Configurations of the Touch Panel 4"

Entering the settings

To change the settings of the Touch Panel you need to press the settings button located at the bottom right hand side of the Touch Panel.



To access the settings menu, use the included ejector pin and press gently on the settings button.

If the settings are protected by password, you need to enter this in order to get access to the settings (default password is: 1234).

Setting the Touch Panel IP address

IP address from DHCP

To configure the Touch Panel with DHCP (default setting):

1. In "Control system IP address" -> Enter the IP address of the control system
2. In Ethernet settings → Ethernet → Ethernet IP mode
 - Choose DHCP (which will automatically assign the IP address)
3. Jump back to the application settings menu by pressing "back arrow" button twice
4. Choose "Connect to the control system"

Now, the project GUI from the control system will load and you can take control.

Static IP address

To configure the Touch Panel with static IP:

1. In "Control system IP address" -> Enter the IP address of the control system
2. In Ethernet settings → Ethernet → Ethernet IP mode
 - Choose Static
 - Enter the static IP address (must be in the same range as the control system)
 - Enter gateway, netmask address and DNS in accordance with the network configuration
 - Press Connect
3. Jump back to the application settings menu by pressing "back arrow" button twice
4. Choose "Connect to the control system"

Now, the project GUI from the control system will load and you can take control.

Customizing the Touch Panel 4”

Display

The display backlight of the Touch Panel will turn off after a period without user activity.

When off, the display backlight will turn on immediately by tapping the display or by using the proximity sensor feature; see below.

The Touch Panel supports automatic brightness adjustment using the built-in ambient light sensor.

In the display menu the following settings are available:

Automatic brightness

When enabled, the built-in ambient light sensor will adjust the brightness of the screen depending on the current lighting conditions in the room

Display brightness

You can set a fixed brightness in "Display brightness". Be aware that this is only available if Automatic brightness is disabled.

Blank screen after timeout (Enabled by default)

When enabled, the display backlight will turn off after timeout set in "Blank timeout".

NOTE: It is strongly recommended to keep this function enabled. If this feature is disabled the backlight will turn off after 120 minutes to increase the lifetime of display backlight.

Blank timeout

The number of minutes before the Display backlight turns off. (default: 10 minutes).

The blank timeout can be set between 1 to 120 minutes.

Dimming duration

This is the amount of seconds it takes for the display to go from dim to blank mode (Default: 10 seconds)

Proximity sensor integration (Enabled by default)

When enabled, the built-in proximity sensor will turn on the display backlight when movement is detected in front of the Touch Panel.

Proximity sensitivity

The sensitivity level can be adjusted to fit the actual usage and location of installation. The sensitivity level can be set between 0 - 100. The default sensitivity level is 15.

The detection range increases the lower the sensitivity level is.

Change orientation

To accommodate if the Touch Panel is mounted in portrait mode, the orientation of the device can be changed from the 'change orientation' setting.

Note: This change require a reboot of the device.

Security:

To prevent daily users from entering the settings menu, you can set a password.

Then the user will be prompted for a password when the admin pinhole button is pressed, the user will be prompted for the password before the settings menu is displayed.

Note: It is highly recommended to activate this protection feature to avoid unauthorized usage.

Password protected

Enable this to activate password protection.

Password

Set the password (Default password is '1234').

Note: If the password is lost you will need to reset the device to factory settings (see more at page 10).

System

Clear browser cache

Clear the graphical interface memory that is used to ensure quick updating of the graphical interface.

(After the cache has been cleared, it will be reloaded when reconnecting with the control system)

Under normal condition this function is not necessary to use.

Application settings

From the application settings the Neets Application can be restarted by pressing force stop.

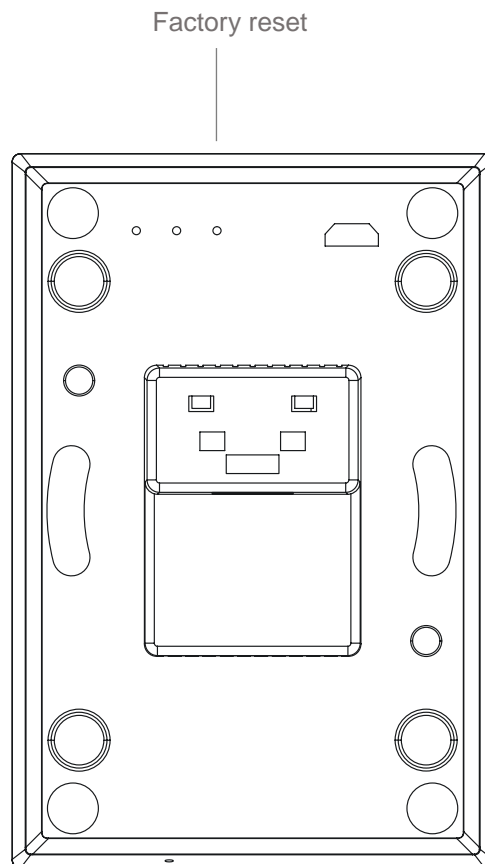
Debug overlay

Can be used to monitor the values of the proximity and built-in ambient light sensor.

Factory reset

If the device is not responding and a reboot does not recover the device, a factory reset can be performed.

The reset is initiated by pressing the pinhole switch in the hole nearest the micro USB port on the backside of the Touch Panel.



After the reset, the Neets application will need to be updated (See how to on page 11).

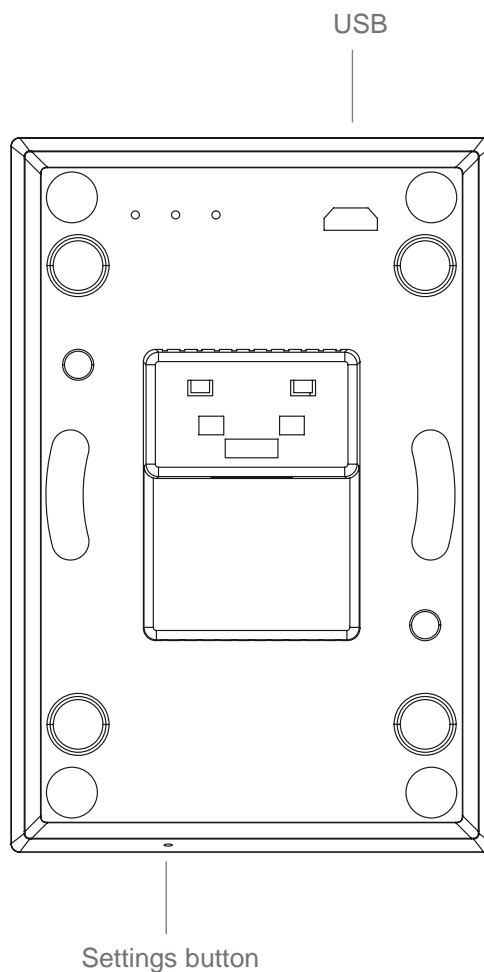
Note: A factory reset should only be performed by authorized personnel. Please contact Neets Support before the factory reset is performed.

Application upgrade

When new functions or updates are available in the software you can choose to update the software in the Touch Panel. This is done as described in the steps below.

The latest version of the software can be found on Neets.dk under the Touch Panel 4" section.

1. Insert USB OTG adapter (included in the Touch Panel package) in the USB connector on the back plate



2. Insert USB flash disk with new Neets Remote APK (Found on Neets.dk)
3. Push the Settings switch at the button of the Touch Panel using the included ejector pin
4. Scroll down to "Application settings"
5. Press the "Neets Remote"
6. Scroll down to the "Clear defaults" button and press
7. Now scroll up to the "Force stop" button and press
 - a. Select OK when prompted "If you force stop an app, it may misbehave"
8. A dialog with "Select a home app" is displayed
9. Now select the "Launcher" option and press the "Just once" button
10. **Important!** Find the Neets Control app and uninstall it: "Settings" -> "Apps" -> "Neets Remote" -> "Uninstall" or select and hold the app on the home screen and move to the garbage bin to delete it

11. Select the "File Manager" from the home screen (Top right corner)
12. In the "File Manager" -> select USB "tab" and select the "usbhost0" folder
13. Select "NeetsRemote.apk" file
14. The APP will install
15. Push the Settings switch
16. Pres "Home" button -> Select "Neets Remote" and press the button "Always"
17. Reboot the device by disconnecting and connecting the PoE connector