

# Installation Guide

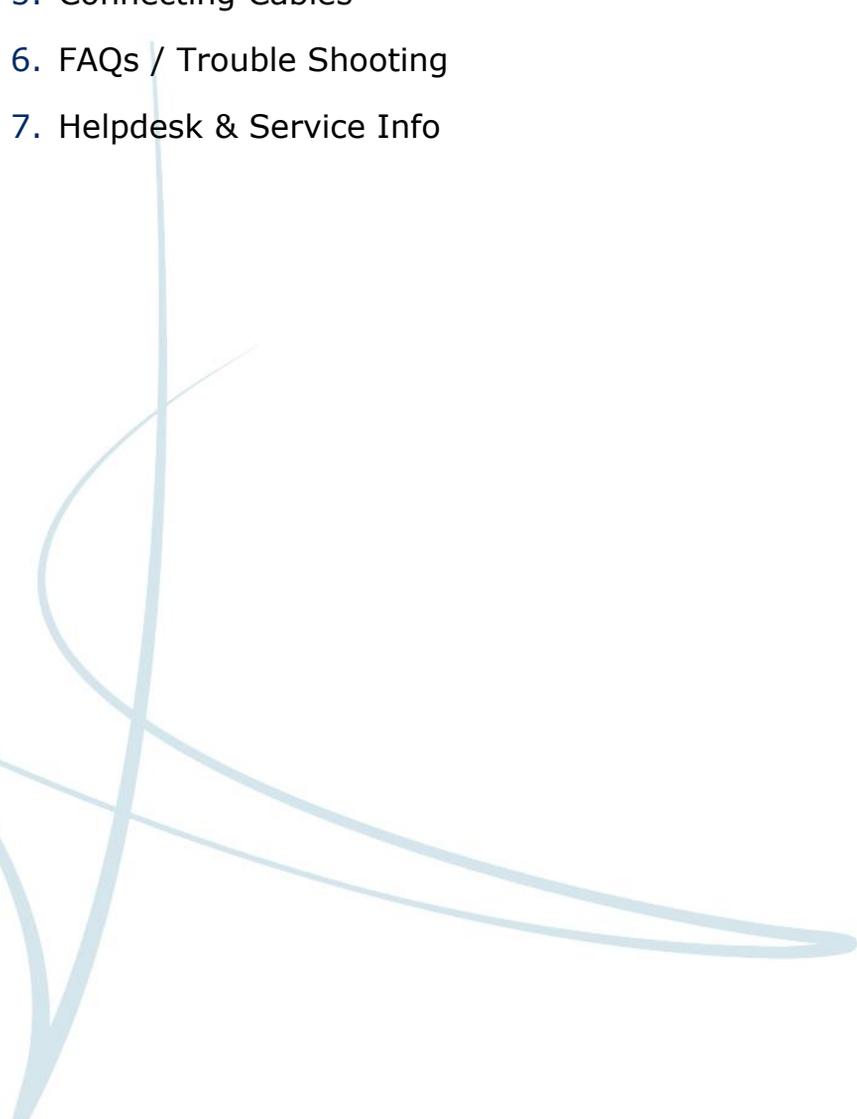
NEC InfinityBoard 65" & 84"



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**Please be aware. This manual is a supplement to the monitor's manufacturer instruction. It can not be treated as a separate document. Please follow all warnings and precautions pointed in main manual provided with NEC MultiSync® X651UHD-2 and MultiSync® X841UHD-2 displays.**

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# Shipping Content | 65" InfinityBoard

## 65" InfinityBoard

	<b>40001135</b>
1. MultiSync X651UHD-2 IGB	60004357
2. SP-651SM Speaker	100014527
3. OPS-Sky-i7v-d8/128/W10IoT/Infinity B	100014665
4. Huddly Camera	100014582
5. MultiPresenter Stick	100014365

## Packaging information 65" InfinityBoard

- BOX 1: MultiSync X651UHD-2 IGB
- BOX 2: SP-651SM Speaker
- BOX 3: OPS-Sky-i7v-d8/128/W10IoT/Infinity B + Huddly Camera + MultiPresenter Stick

## Each components of your NEC InfinityBoard should contain the following:

1. NEC MultiSync X651UHD-2 IGB
  - 1x LCD touch monitor
  - 1x Power cord
  - 1x Video Signal Cable (DisplayPort cable)
  - 1x Video Signal Cable (Mini DisplayPort to DisplayPort cable)
  - 1x Wireless Remote Control and AAA Batteries
  - 1x Clamp
  - 1x Screw with washer (M4 x 10)
  - 2x USB cables Type B
  - 2x Passive pens
2. SP-651SM Speaker
  - Refer to page 6 & 7 (Assembly of Speaker System)
3. OPS-Sky-i7v-d8/128/W10IoT/Infinity B
  - 1x OPS Slot-in PC
4. Huddly Camera
  - 1x Huddly GO camera
  - 1x 1m angled USB 3.0 Type C cable
5. MultiPresenter Stick
  - 1x MultiPresenter Stick
  - 1x HDMI extension cable
  - 1x AC adapter

# Shipping Content | 84" InfinityBoard

## 84" InfinityBoard

	<b>40001135</b>
1. MultiSync X841UHD-2 IGB	60004358
2. SP-841SM Speaker	100014627
3. OPS-Sky-i7v-d8/128/W10IoT/Infinity B	100014665
4. Huddly Camera	100014582
5. MultiPresenter Stick	100014365

## Packaging information 84" InfinityBoard

BOX 1: MultiSync X641UHD-2 IGB

BOX 2: SP-841SM Speaker

BOX 3: OPS-Sky-i7v-d8/128/W10IoT/Infinity B + Huddly Camera + MultiPresenter Stick

## Each components of your NEC InfinityBoard should contain the following:

1. MultiSync X651UHD-2 IGB
  - 1x LCD touch monitor
  - 1x Power cord
  - 1x Video Signal Cable (DisplayPort cable)
  - 1x Video Signal Cable (Mini DisplayPort to DisplayPort cable)
  - 1x Wireless Remote Control and AAA Batteries
  - 1x Clamp
  - 1x Screw with washer (M4 x 10)
  - 2x USB cables Type B
  - 2x Passive pens
2. SP-651SM Speaker
  - Refer to page 6 & 7 (Assembly of Speaker System)
3. OPS-Sky-i7v-d8/128/W10IoT/Infinity B
  - 1x OPS Slot-in PC
4. Huddly Camera
  - 1x Huddly GO camera
  - 1x 1m angled USB 3.0 Type C cable
5. MultiPresenter Stick
  - 1x MultiPresenter Stick
  - 1x HDMI extension cable
  - 1x AC adapter

# Unpacking Unit

- 1) Unpack the display (X651UHD-2 IGB / X841UHD-2 IGB) from the carton box by removing the white clips on the box (as shown on picture 1)

**NOTE:** Due to weight the product for installation and handling 4 people are required. Do not start unless you have enough people available, working with less people may result in injuries and damaged product.

- 2) Lift the carton box upwards. Make sure to have one additional person who can secure the screen from tipping over.

**NOTE:** Remember to save your original box and packing material to transport or ship the monitor.



# Assembly | 65" Speaker System & Camera

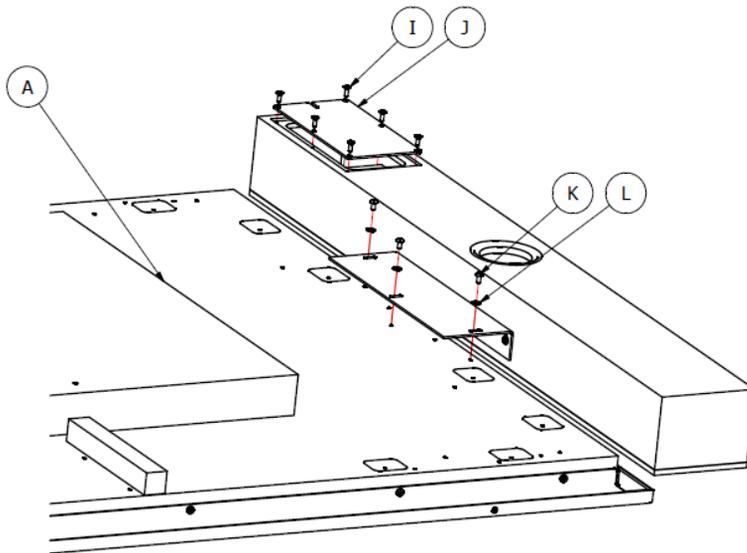
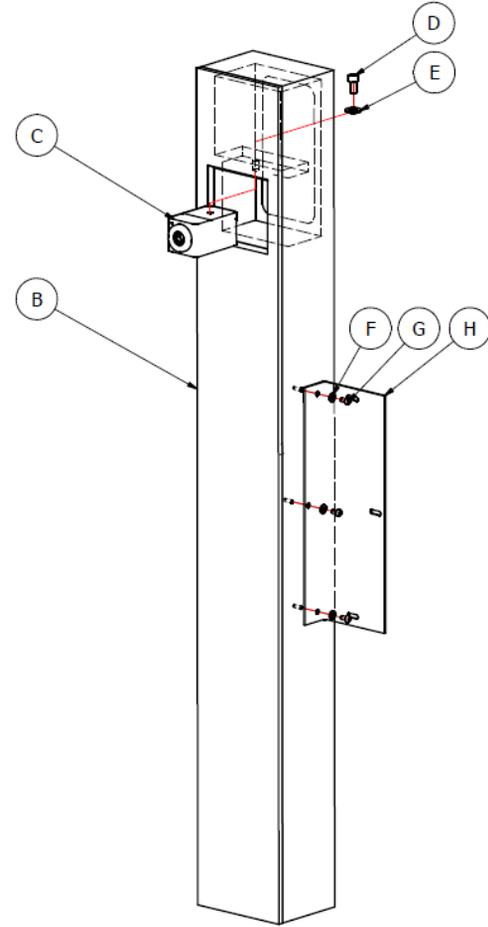
- 1) Mount the speaker brackets (H) onto the speakers (B) using 6x M4x12 screws (G) and 6x washers (F)
- 2) Mount the Huddly camera (C) into the opening of the left (seen from the front) speaker (B) using 1/4"x16 screw (D) and washer (E)

**NOTE:** Do not torque the screw too tightly. That way you will still be able to mechanically adjust the position of the Huddly camera after the installation.

- 3) Connect the 1m angled USB 3.0 Type C cable (as shown on picture 1) to the Huddly camera
- 4) Mount the back plates (J) onto the rear side of the speakers (B) using 12x 3.5x6 screws (I)
- 5) Carefully guide the USB cable of the Huddly camera through the long hole of the speaker back plate (J)

**NOTE:** If you loop the USB cable (as shown in picture 2) you will be able to manually adjust the position of the camera.

- 6) Mount the speakers (B) to the 65" InfinityBoard display (A) using 6x M4x12 screws (K) and 6x washers (L)



Picture 2



Picture 1



Part	Quantity	Description
A	1	Display
B	2	Speaker
C	1	Camera
D	1	1/4"x16
E	1	Washer
F	6	Washer
G	6	M4x12
H	1	Speaker bracket
I	12	Screw 3.5x6
J	2	Back plate
K	6	M4x12
L	6	Washer

# Assembly | 84" Speaker System & Camera

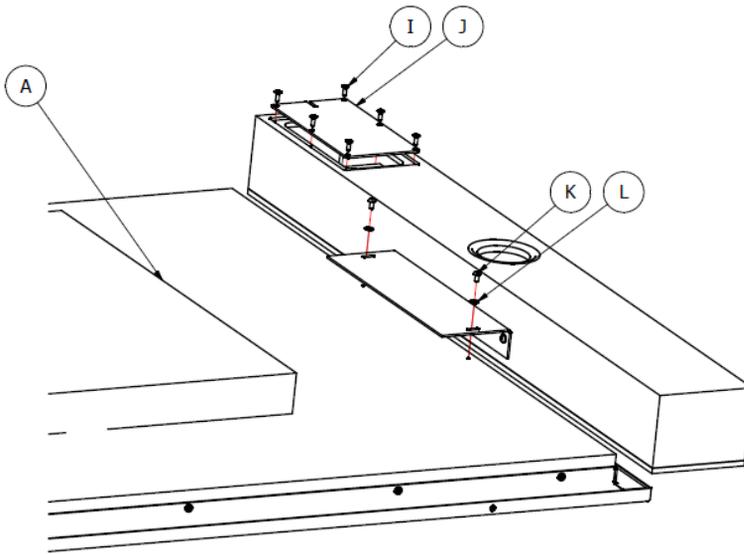
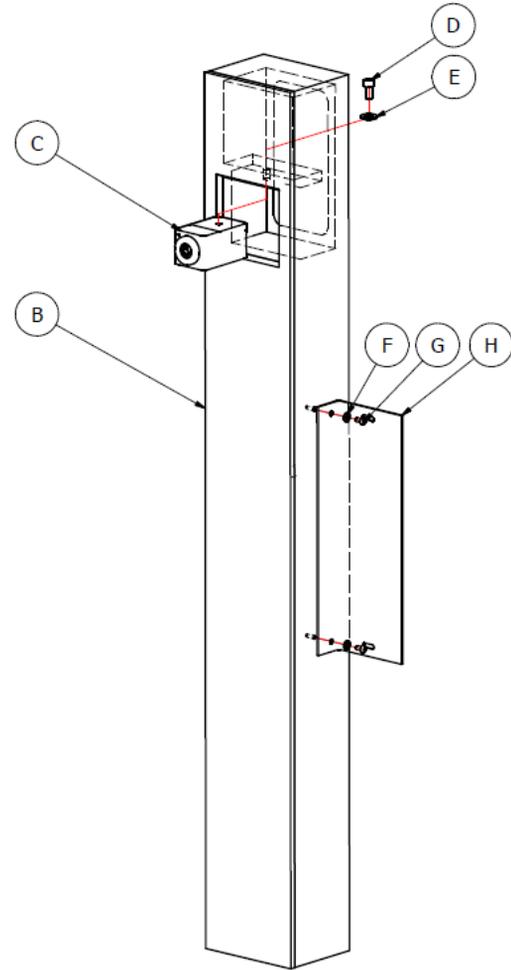
- 1) Mount the speaker brackets (H) onto the speakers (B) using 6x M4x16 screws (G) and 6x washers (F)
- 2) Mount the Huddly camera (C) into the opening of the left (seen from the front) speaker (B) using 1/4"x16 screw (D) and washer (E)

**NOTE:** Do not torque the screw too tightly. That way you will still be able to mechanically adjust the position of the Huddly camera after the installation.

- 3) Connect the 1m angled USB 3.0 Type C cable (as shown on picture 1) to the Huddly camera
- 4) Mount the back plates (J) onto the rear side of the speakers (B) using 12x 3.5x6 screws (I)
- 5) Carefully guide the USB cable of the Huddly camera through the long hole of the speaker back plate (J)

**NOTE:** If you loop the USB cable (as shown in picture 2) you will be able to manually adjust the position of the camera.

- 6) Mount the speakers (B) to the 84" InfinityBoard display (A) using 6x M4x18 screws (K) and 6x washers (L)



Picture 2



Picture 1

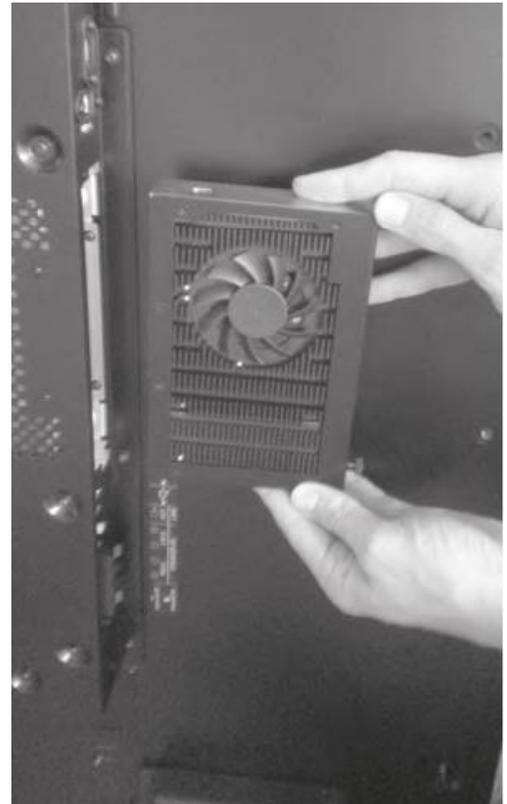
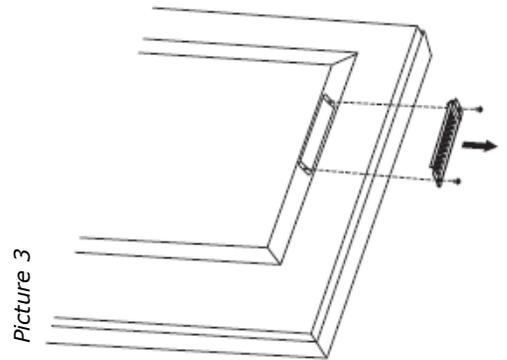
Part	Quantity	Description
A	1	Display
B	2	Speaker
C	1	Camera
D	1	1/4"x16
E	1	Washer
F	4	Washer
G	4	M4x16
H	1	Speaker bracket
I	12	Screw 3.5x6
J	2	Back plate
K	4	M4x18
L	4	Washer

# Assembly | OPS Slot-in PC

- 1) Remove the slot covering plate from the InfinityBoard display, by releasing the 2 Philips screws (as shown on picture 3)
- 2) Insert the Slot-in PC in the slot very carefully until you feel a latching of the connectors

**NOTE:** The fan of the of the Slot-in PC should always be facing away from the front of the display (as shown in picture 4).

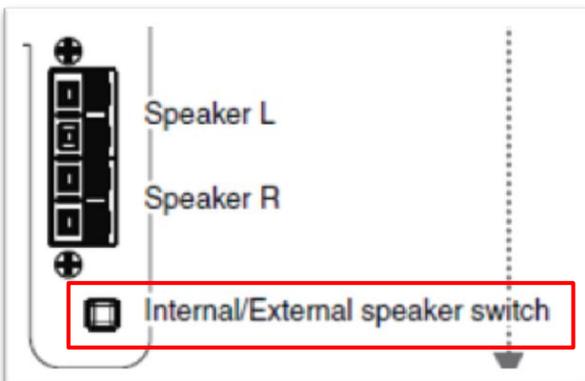
- 3) Use the screws, which were taken out with the covering plate before, in order to secure the Slot-in PC



# Connecting Cables

- 1) Enable the USB Hub: Connect the USB Type-B (marked with "USB") to one USB input of the OPS PC  
**NOTE:** For use with external PC, connect the USB Type-B (marked with "USB") to the USB input of the external PC.
- 2) Connect the Huddly camera: Connect the USB cable of the camera to one USB input of the OPS PC  
**NOTE:** For use with external PC, NEC can provide certified USB extension cables to connect the Huddly camera.
- 3) Enable the touch functionality: Connect the USB Type-B (marked with "TOUCH") to one USB input of the InfinityBoard USB hub  
**NOTE:** For use with external PC, connect the USB Type-B (marked with "TOUCH") to the USB input of the external PC (as shown on picture 5).
- 4) Connect the speakers: Connect the audio cables to the terminals on the speakers and to the speaker terminals on the InfinityBoard displays (as shown on picture 6). Red terminal is plus (+) and black terminal is minus (-).
- 5) Push the button "Internal/External speaker switch" below the speaker terminals on the display to enable the external speakers (as shown on picture 7)  
**NOTE:** Please power off the InfinityBoard when you use the Internal/External speaker switch.

Picture 7



Picture 6



Picture 5



## 1) What can I do in case I am experiencing a latency in the writing performance on my NEC InfinityBoard?

- Make sure the OPS PC is running UHD resolution with 60Hz
- OSD MENU:
  - ADVANCED OPTION1 » OPTION SETTINGS
  - SLOT2 CH SETTING » **CH1**
  - SLOT2 CH SELECT » **DPORT**

## 2) What can I do in case I am hearing some cracking noise from the external speakers connected to my NEC InfinityBoard?

- OSD MENU:
  - ADVANCED OPTION1 » OPTION SETTINGS
  - LONG CABLE COMP » **AUDIO** » **DIGITAL**

## 3) How can I ensure that the OPS Slot-in PC shuts down automatically when I switch off (stand-by mode) my NEC InfinityBoard display?

- OSD MENU:
  - ADVANCED OPTION1 » OPTION SETTINGS
  - **AUTO OFF** » change to **ON**

## 4) How can I ensure that my NEC InfinityBoard display will switch off (stand-by mode) automatically when I shut down the OPS Slot-in PC?

- OSD MENU:
  - DISPLAY PROTECTION » POWER SAVE
  - **AUTO STANDBY** » **ENABLE** and set a time period

## 5) Which cables can I use to connect the Huddly camera to my NEC InfinityBoard?

- The Huddly camera which is part of the NEC InfinityBoard comes with a 1 meter angled USB 3.0 Type C cable.
- We highly recommend to use the USB cable that comes packaged with your NEC InfinityBoard for optimal functionality.

## 5) Can I also use longer USB cables to connect the Huddly camera?

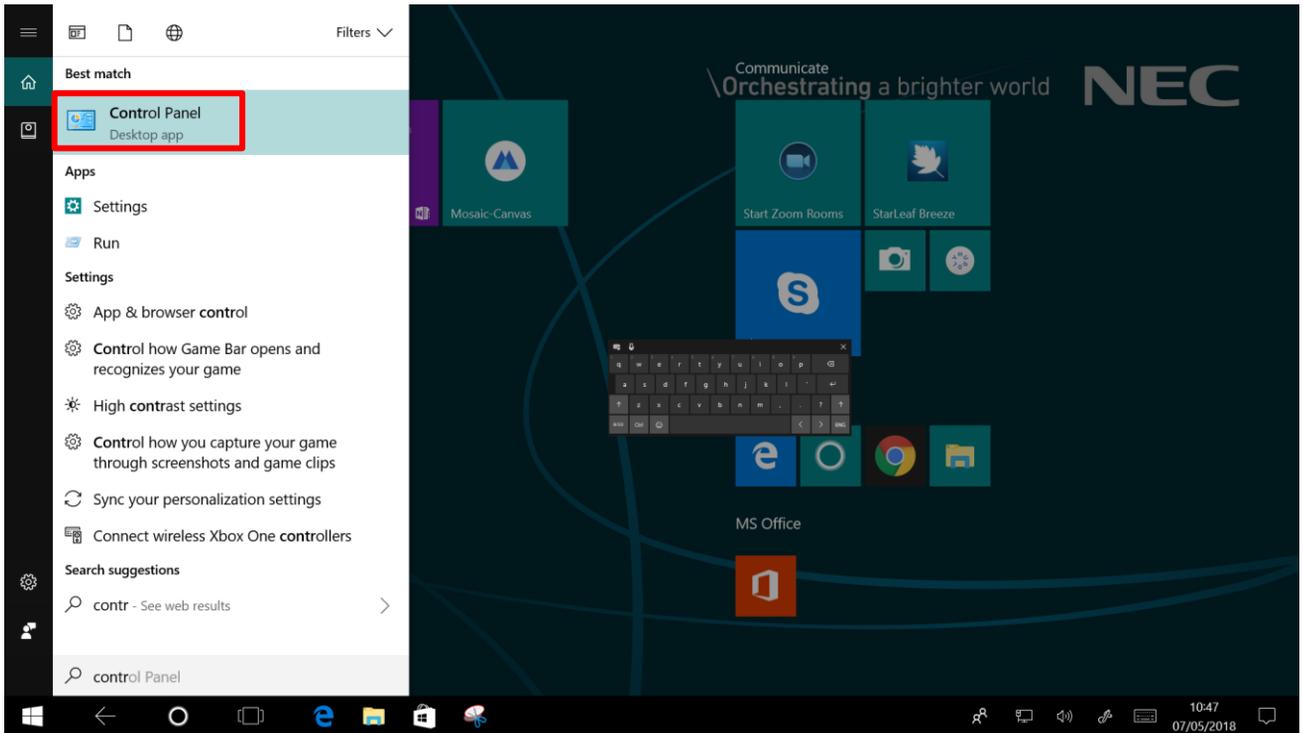
- For distances above 1.5 meters you would need an Active USB 3.0 cable, a cable which includes a chip to boost the performance of the cable.
- These cables can be obtained through NEC. The cable lengths we have available at the moment are 2.0 meter cables and 15.0 meter cables.

## 6) What can I do in case the cursor fails to follow the exact finger or pen position?

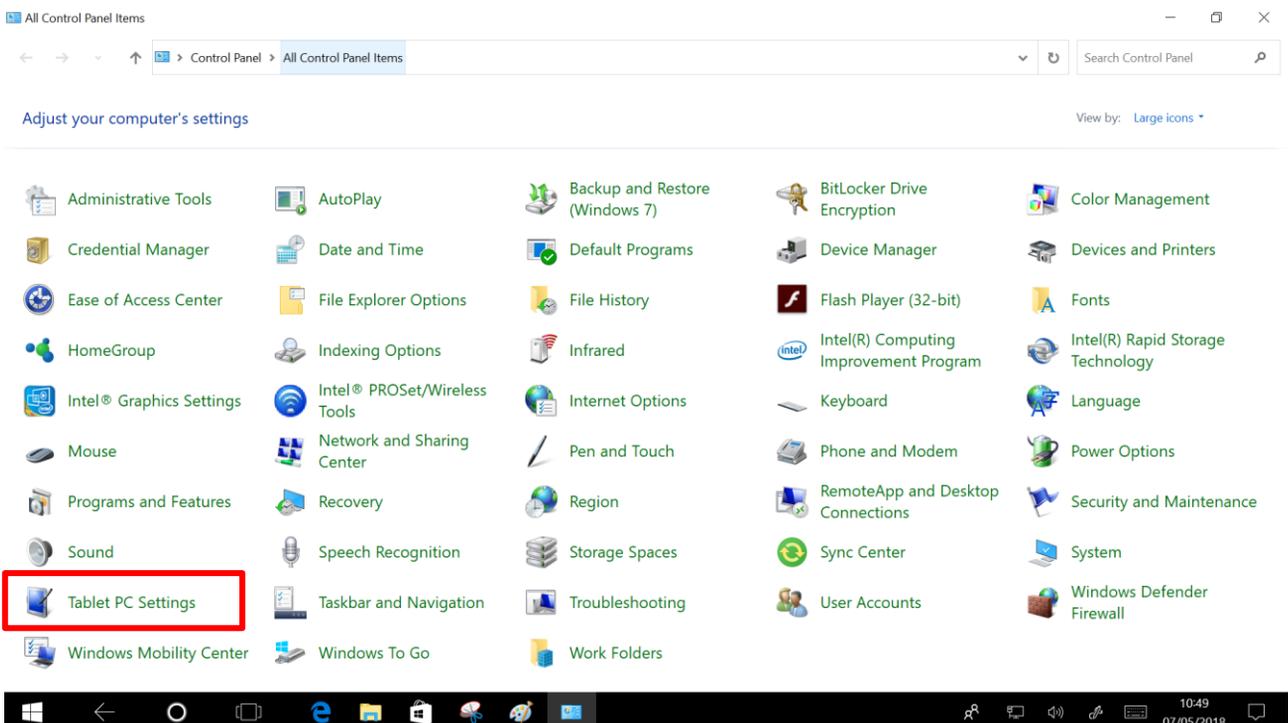
- The display can be re-calibrated in the following way:

**NOTE:** Calibration under Windows is an option which can only make the touch screen work more accurate but it is not required.

- Open start menu in Windows and select "Control Panel"

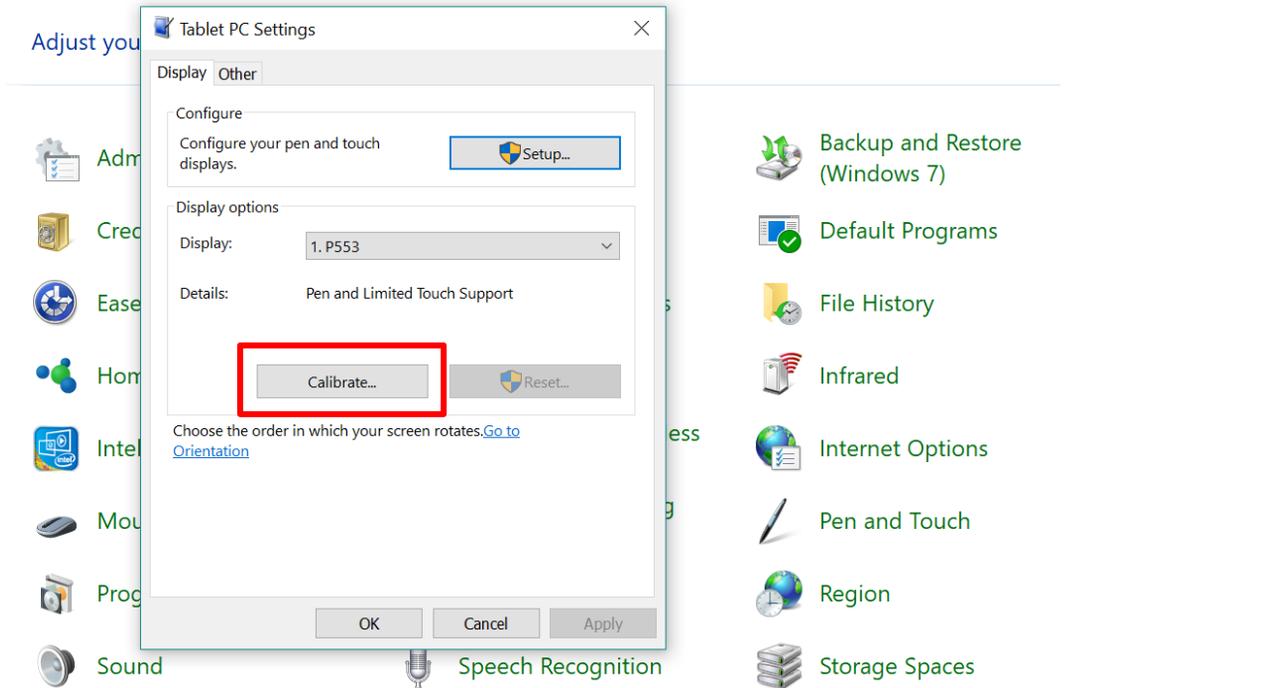


- Open "Tablet PC Settings"

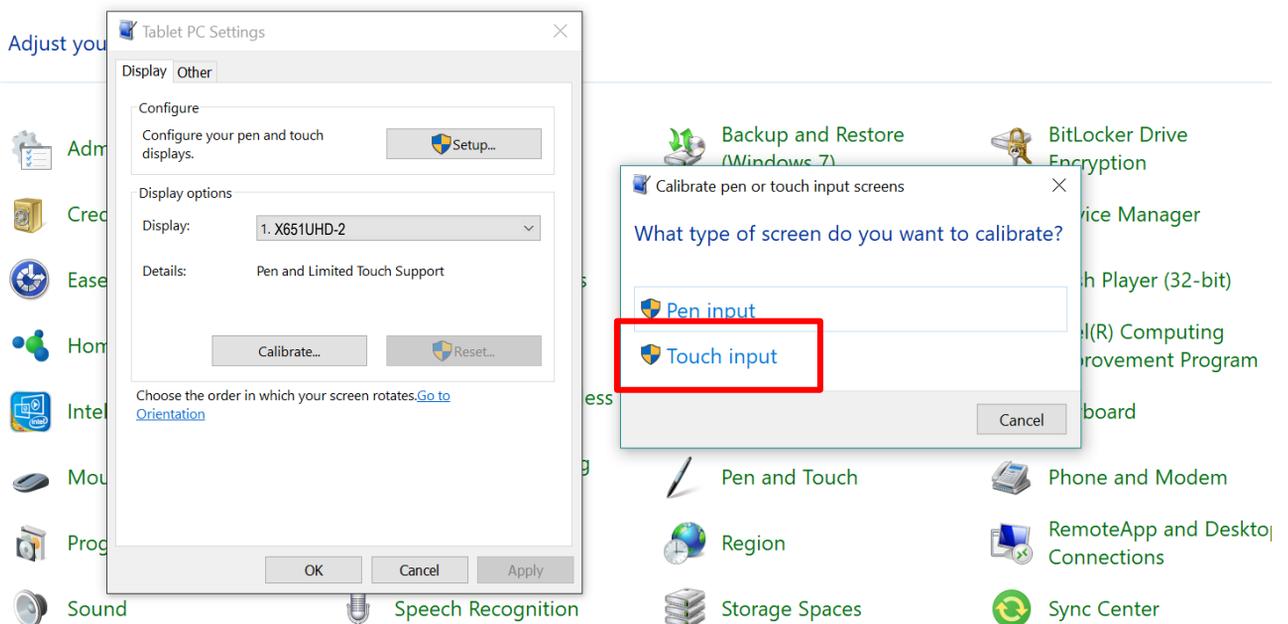


# FAQs | Trouble Shooting

- Press "Calibrate" button

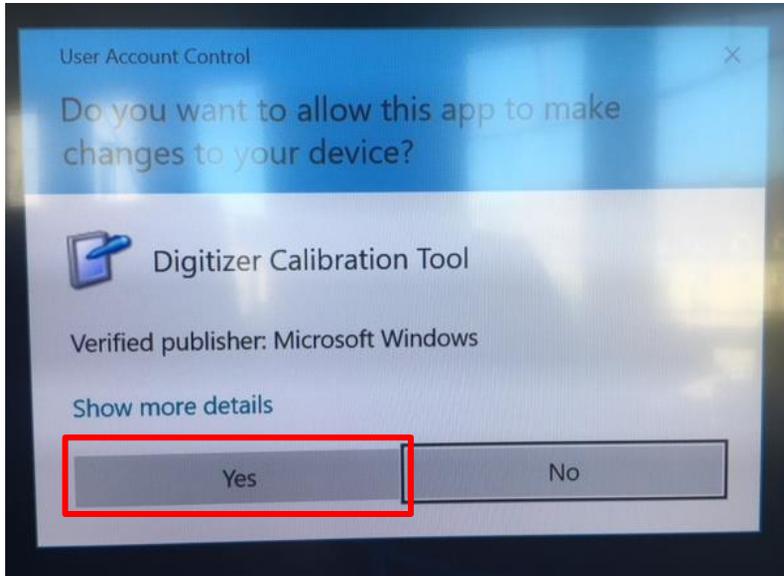


- Choose "Touch input"

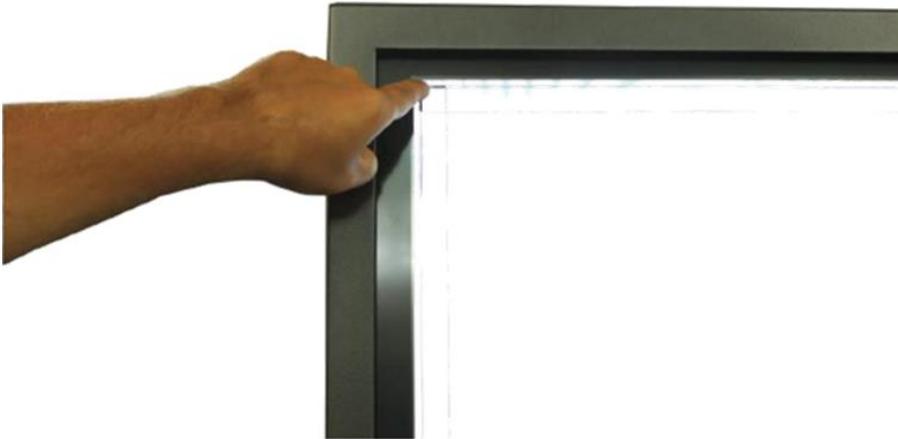


# FAQs | Trouble Shooting

- If “User Account Control” windows pops up, click yes



- When the calibration process begins, touch the middle of each cross that appears in bold on the screen (crosses shall appear several times in each corner of the screen)



- After touching the last cross, the calibration process ends

**NOTE:** If the touch is still not precise enough, the complete process can be repeated.

## **InfinityBoard Helpdesk / Service Info**

Phone: +49 (0)89 99699 622

Email: [Infinity-Board-support@nec-displays.com](mailto:Infinity-Board-support@nec-displays.com)

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