



AIRxTOUCH

Dev Guidelines\_



# NATIVE WINDOWS TOUCH

The AIRxTOUCH® Driver implements a native Windows Touch events. It's compatible with all Windows 10 applications, including HTML5 applications.

## \ Starter Developers

- › **No specific code needed**, it's a Windows 10 Driver.
- › **Simply launch your Windows Application**, it runs without any rework!

Windows Usage	AIR TOUCH® Gesture		Action
Click	Tap		<p><b>Action is triggered 5 cm (2") from the screen</b></p>
Double-click	Double-tap		
Right click	Press & hold		
Mouse selection / Drag	Selection / Drag		





# NATIVE WINDOWS TOUCH

## \ Advanced Developers

To obtain the best User Experience with your AIR TOUCH® App, 2 advanced modes are available:

### A. DEFAULT DRIVER MODE

You can optimize your layout settings with the following attributes for a specific object (zone).

After a Press event:

- ❶ **Direct click** *optimized for Click · Press / Release event*
- ❷ **Drag & Drop** *optimized for Drag & Drop · Move event after a Press event - Long delay*
- ❸ **Drawing** *optimized for Drawing · Move event after a Press event - Without delay*
- ❹ **Scrollbar** *optimized for Scrollbar control · Move event after a Press event - Short delay*
- ❺ **Scrollview** *optimized for Scrollview · Move event after a Press event | Slide event - Medium delay*

All points in the AIR TOUCH® Depth zone (5 ↔ 14 cm / 2" ↔ 5.5"):

- ❻ **Direct move** *designed to track all move events without a previous Press event - Without delay*

NB: by default, your App is set with the default Driver Mode / ❶ Direct Click attribute for all pages.

### B. ZOOM & CLICK MODE

This mode enables the Zoom & Click functions on a object. A map for instance. No code needed since it is managed by Windows 10.

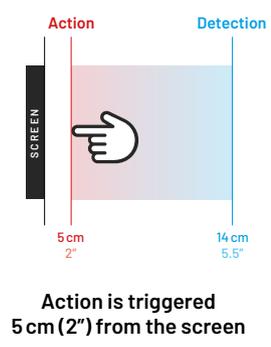




# NATIVE WINDOWS TOUCH

## \ Advanced Developers

Windows Usage	AIR TOUCH® Gesture	Settings	Action
Click	Tap	Driver mode <b>A</b> Attribute <b>1</b>	
Double-click	Double-tap	Driver mode <b>A</b> Attribute <b>1</b>	
Right click	Press & hold	Driver mode <b>A</b> Attribute <b>1</b>	
Mouse selection / Drag	Selection / Drag	Driver mode <b>A</b> Attribute <b>2</b>	
Drawing	Press & move	Driver mode <b>A</b> Attribute <b>3</b>	
Scrollbar	Press & move	Driver mode <b>A</b> Attribute <b>4</b>	
Scrollview	Press & move	Driver mode <b>A</b> Attribute <b>5</b>	
Scrollview	Slide	Driver mode <b>A</b> Attribute <b>5</b>	
Zoom (in / out)	Press & circle	Driver mode <b>B</b>	



Direct move	Move	Driver mode <b>A</b> Attribute <b>6</b>		<p>Action is triggered 14 cm (5.5") from the screen</p>
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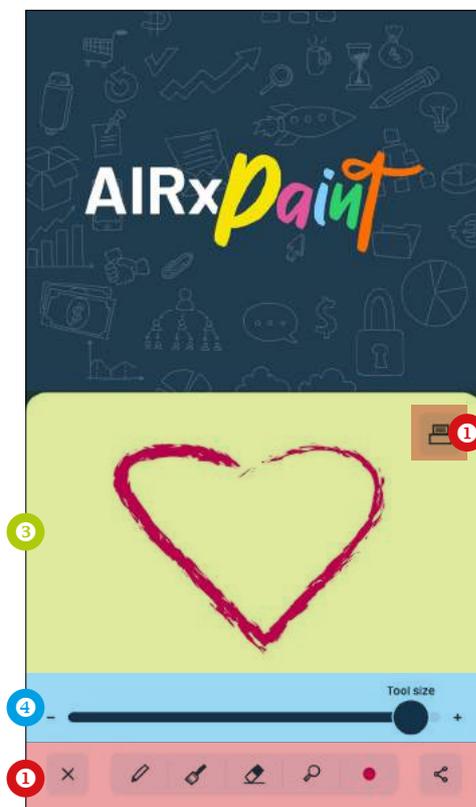




# NATIVE WINDOWS TOUCH

## \ Advanced Developers

Example of page layout settings with attributes for specific objects (zones):



- ❶ Direct click** *optimized for Click · Press / Release event*
- ❷ Drag & Drop** *optimized for Drag & Drop · Move event after a Press event - Long delay*
- ❸ Drawing** *optimized for Drawing · Move event after a Press event - Without delay*
- ❹ Scrollbar** *optimized for Scrollbar control · Move event after a Press event - Short delay*
- ❺ Scrollview** *optimized for Scrollview · Move event after a Press event | Slide event - Medium delay*
- ❻ Direct move** *designed to track all move events without a previous Press event - Without delay*

## \ How to implement these specific gestures?

To do this, you need to communicate with the Driver.

- › **.NET** Developers: you need to use our AIRxTOUCH Toolkit package NuGet.
- › **Web** Developers: you need to install our AIRxTOUCH Toolkit [Chrome extension](#)

More information: <https://github.com/iNUI-Studio/airxtouch-toolkit-proxy>





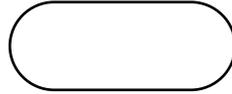
## RECOMMENDED MINIMAL BUTTON SIZE

Due to parallax effect, the minimal recommended button size is 70×70 px for a screen resolution of 1920×1080 px.

**TIP** If you want to design a smaller button, you can create a transparent overlayer with the minimal recommended button size 70×70 px.



70×70 px button  
(minimal size)



Wide button with a 70 px height  
(minimal size)

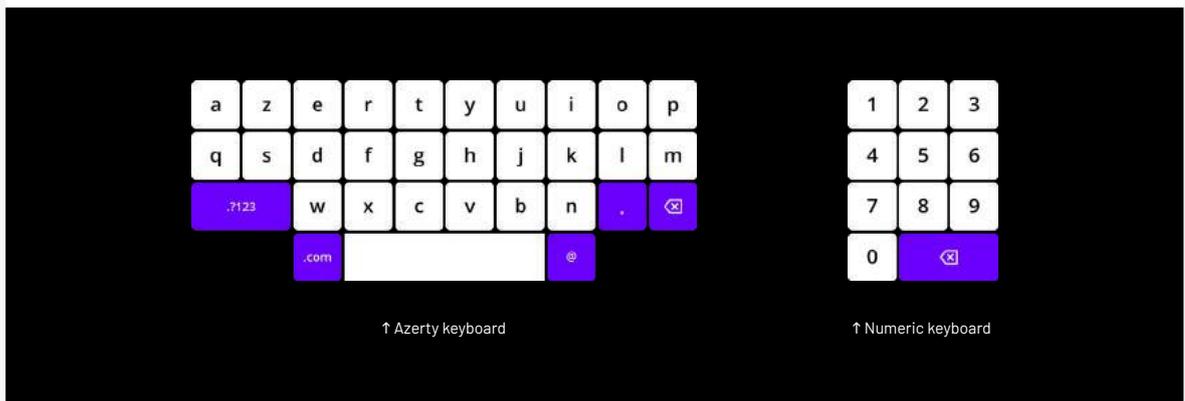


Smaller button with a 70×70 px  
transparent reactive overlayer



## KEYBOARD IMPLEMENTATION

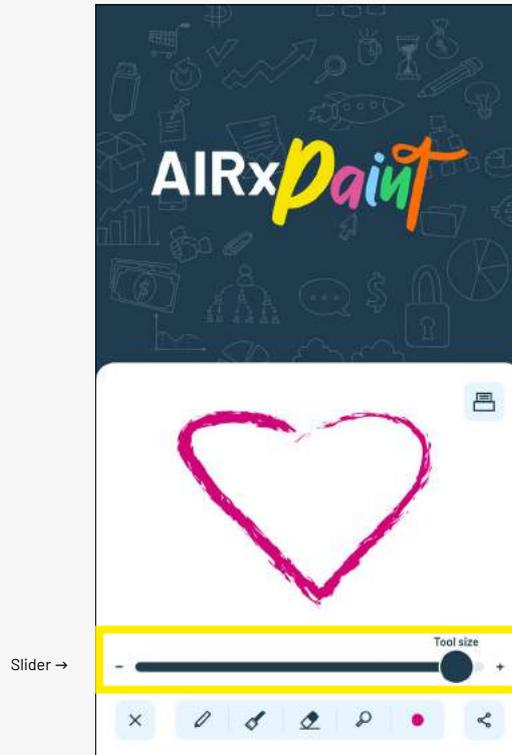
**TIP** A free keyboard component especially designed for AIRxTOUCH® is available. If you want to embed it in your code, please contact our Dev support via email at [support@inui-studio.com](mailto:support@inui-studio.com)





# SCROLLBAR

Scrollbar is the perfect attribute to use if you want to develop a component as a slider for instance.



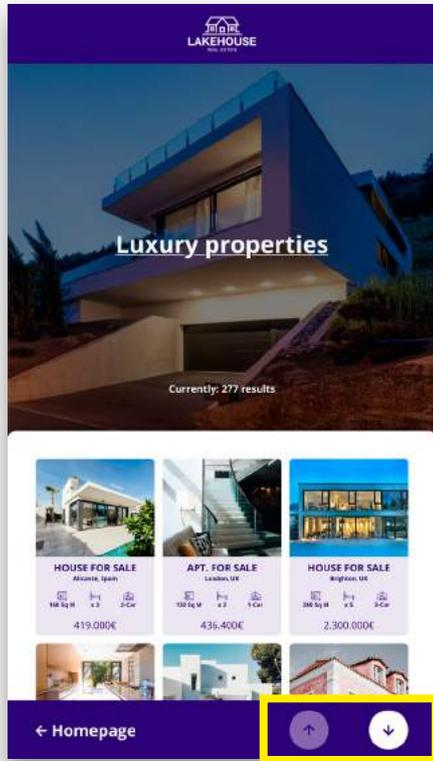
Windows Usage	AIR TOUCH® Gesture	Settings	Action
Scrollbar	Press & move	Driver mode <b>A</b> Attribute <b>4</b>	



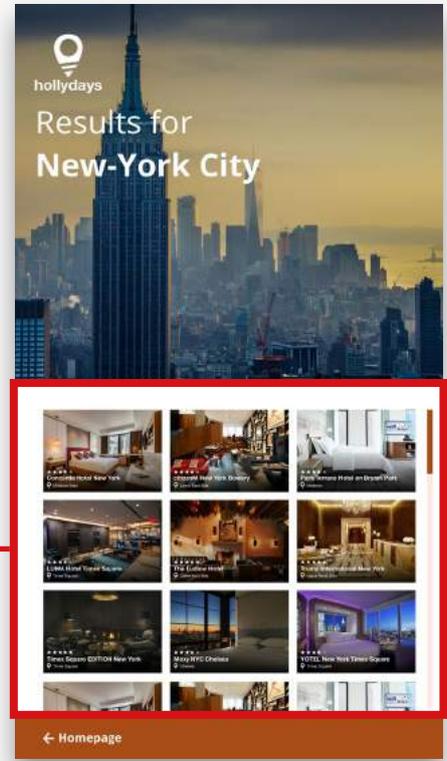


# SCROLLVIEW

If required, you can replace your top / down or prev / next buttons by a scrollable area, allowing user to quickly browse your content with ease.



↑ Top / Down buttons



↑ Scrollable area

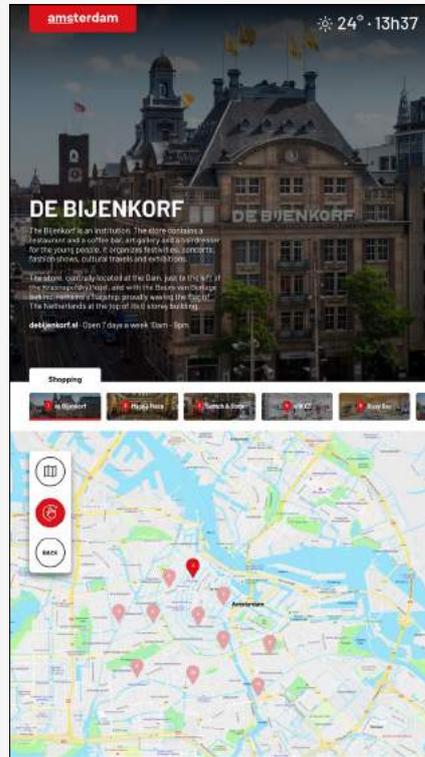
Windows Usage	AIR TOUCH® Gesture	Settings	Action
Scrollview	Press & move	Driver mode <b>A</b> Attribute <b>4</b>	
Scrollview	Slide	Driver mode <b>A</b> Attribute <b>5</b>	





## ZOOM (IN/OUT)

When Zoom mode is enabled, just draw some circles clockwise to zoom in (on a map for instance) and counterclockwise to zoom out. It's as simple as that!



↑ AIRxMAPS 2.0

Windows Usage	AIR TOUCH® Gesture	Settings	Action
Zoom (in / out)	Press & circle	Driver mode <b>B</b>	





# DROPDOWN

LAKEHOUSE REAL ESTATE

LET'S MEET  
**your agent**

Hi,

I would like to arrange a viewing with

Could you call me at this number

Best regards,

**SUBMIT**

← Cancel

↑ Dropdown is normal

Mike

**Josea** 70 px

Marisa

Ekaterina

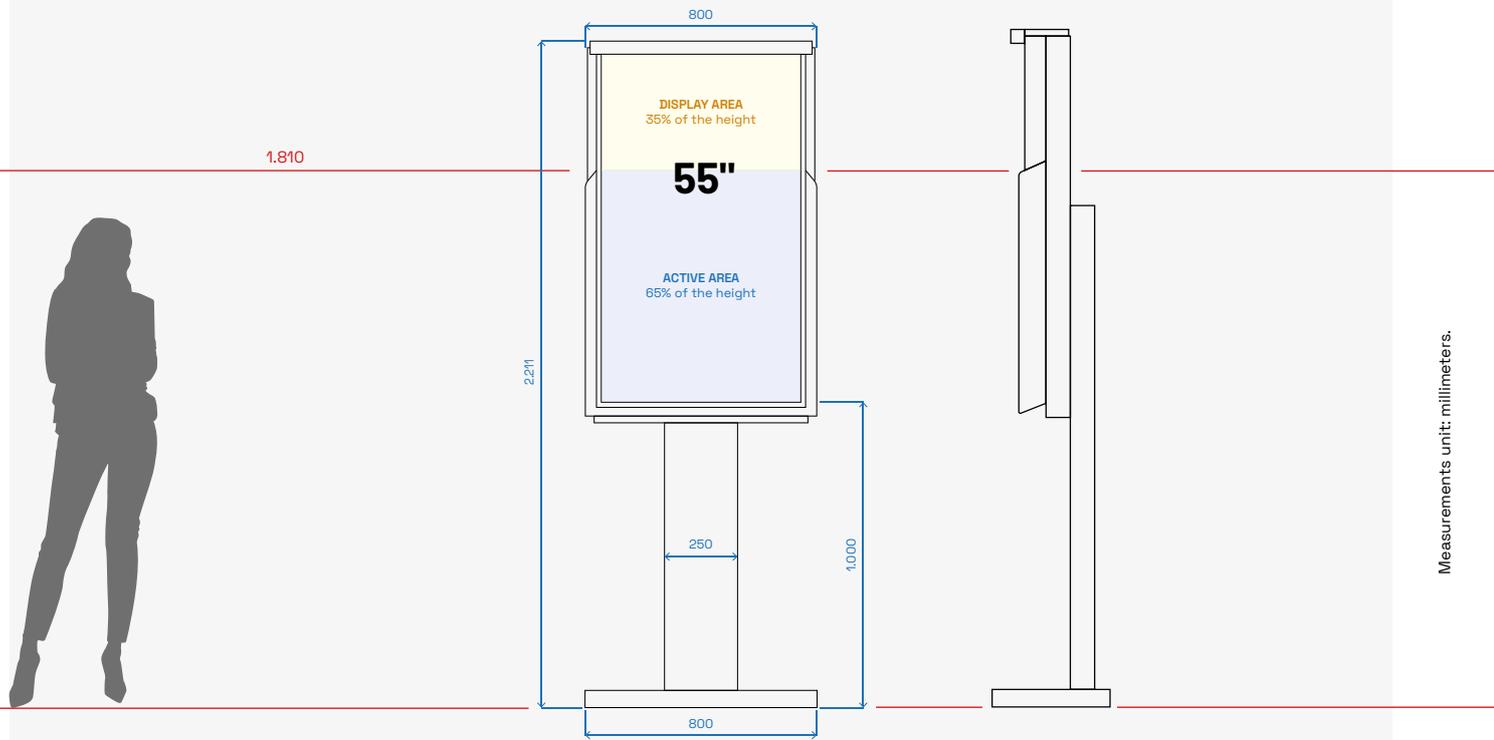
Steeve

↑ Dropdown is active





## ACTIVE AREA



All your clickable elements has to be inside the Active Area.

**TIP**

While designing your App, take care to the position of your important elements. For instance, avoid to put your main Nav elements too high, constraining the User to keep his arm raised too often.



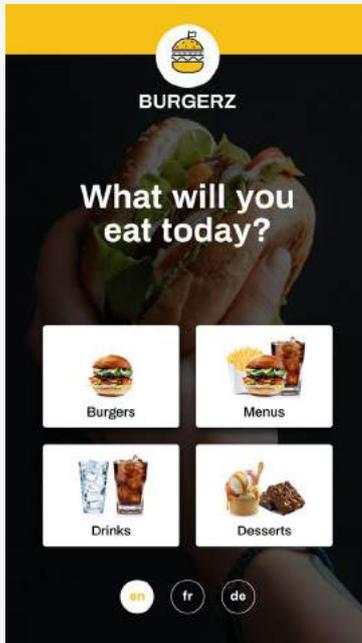


# UI · EXAMPLES OF AIRxTOUCH® APPS (1/3)

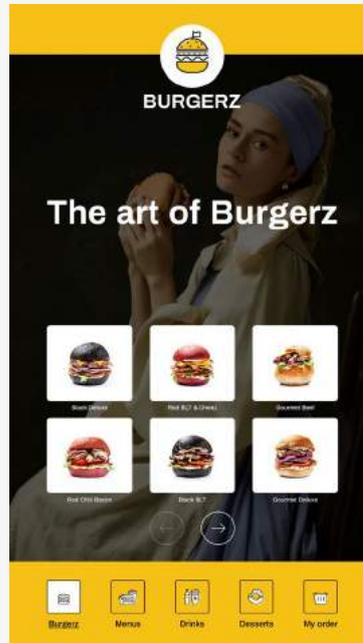


**AIRxKIOSK 2.0**  
Business App by iNUI Studio SA

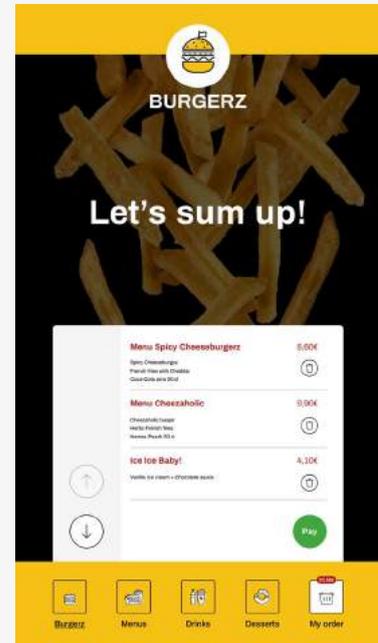
Certified App



↑ Product category selection



↑ Product category details



↑ Order summary



**AIRxTRAVEL 2.0**  
Business App by iNUI Studio SA

Certified App



↑ Destination search engine



↑ Results for "New-York"



↑ Hotel detail



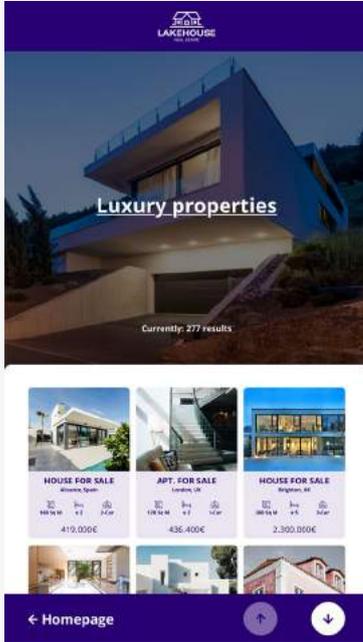


# UI · EXAMPLES OF AIRxTOUCH® APPS (2/3)

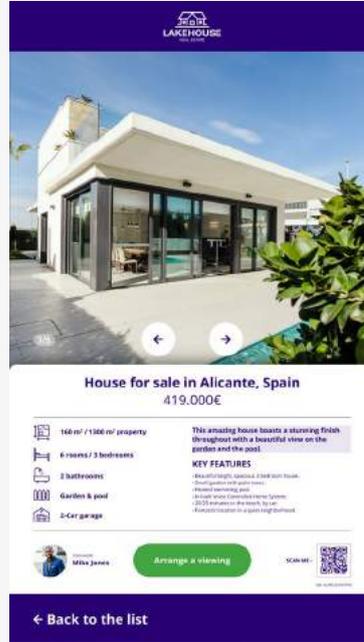


**AIRxLIVING 2.0**  
Business App by iNUI Studio SA

Certified App



↑ Properties listing



↑ Property details

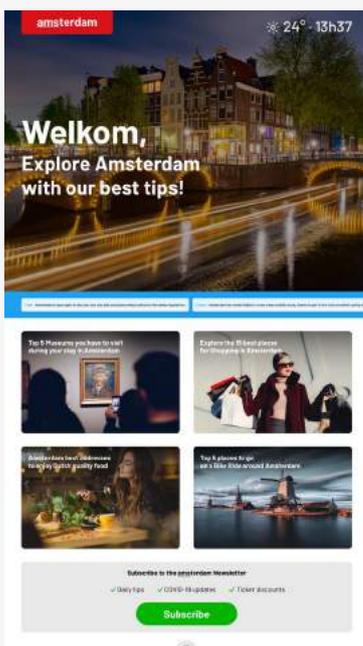


↑ Keyboard in action (entering information)

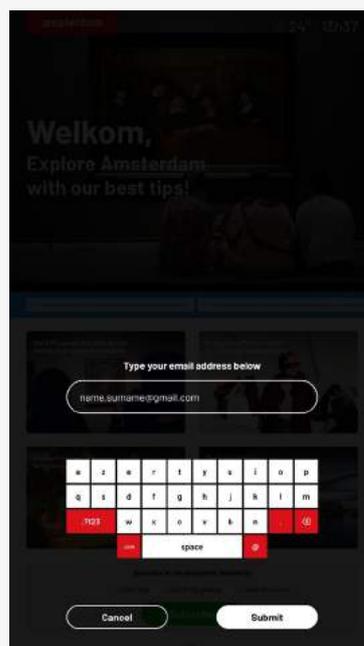


**AIRxMAPS 2.0**  
Business App by iNUI Studio SA

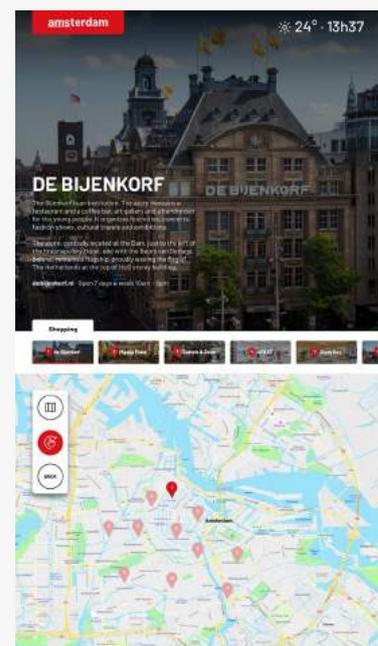
Certified App



↑ Onboarding



↑ Mailing-list subscription



↑ Info about locations on a draggable / zoomable map





## UI · EXAMPLES OF AIRxTOUCH® APPS (3/3)

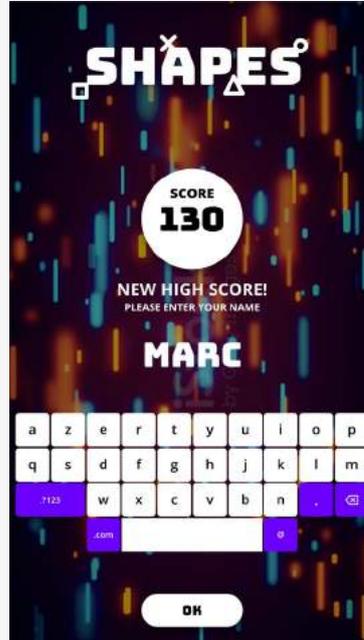


**SHAPES**  
Street Marketing Game by iNUI Studio SA

Certified App



↑ Game is running



↑ Keyboard in action (entering the name)



↑ Numeric keyboard in action (entering the name)



**WE HELP YOU**  
Your App has can be reviewed by our  
Product team to ensure the Best User  
Experience.





# AIRxTOUCH



## ANY QUESTION?

Concerning Dev Support or AIRxTOUCH® Apps design,  
feel free to drop us a line at [support@inui-studio.com](mailto:support@inui-studio.com)