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### Operating instructions



The appliance complies with the relevant EC directives.



Abb. 1: 12801-99 SMARTfloor PlayBox

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## 1 SAFETY NOTES



### Caution!

- Before using the appliance, read the operating at instructions carefully and completely. This will protect you and prevent damage to your appliance.
- Do not operate the appliance if damage is visible.
- Only use the device for its intended purpose.
- Do not open the device.
- Protect the device from dust, moisture and vapours. Only clean the device when it is disconnected from the mains.

Definition of used symbols	
	Caution! Risk of danger. Observe operating instructions
	Complies with relevant European directives
	Old appliances must be disposed of separately from household waste
	Class II appliance with functional earthing

## 2 PURPOSE AND PROPERTIES

The SMARTfloor PlayBox is the central control unit for the SMARTfloor system. It is used to make all the necessary settings and configurations for the sensor fields. The PlayBox also supplies power to the sensor fields.

## 3 FUNCTION AND OPERATING ELEMENTS



1. SMARTfloor PlayBox
2. Adapter cable for connection to the sensor fields
3. Touch pen for easier display operation
4. Receiving antenna
5. Power supply cable



1. Mains switch, fuse and mains connection. Fuse 1.6A slow-blow
2. Connection of the sensor mats via the supplied adapter cable
3. HDMI for connecting a TV/monitor using the HDMI cable supplied.
4. Antenna connection.

## 4 HANDLING

### 4.1 Installing the SMARTfloor Play Box

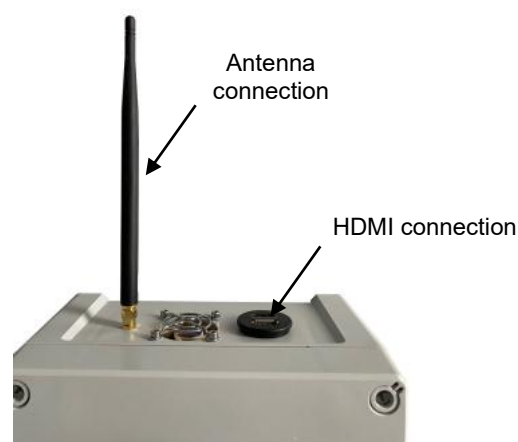


The SMARTfloor PlayBox may only be opened for installation on a wall by authorised specialist personnel. The screw holes next to the housing cover screws must be used for this purpose. The mains plug MUST be disconnected before opening the housing, otherwise there is a danger to life!

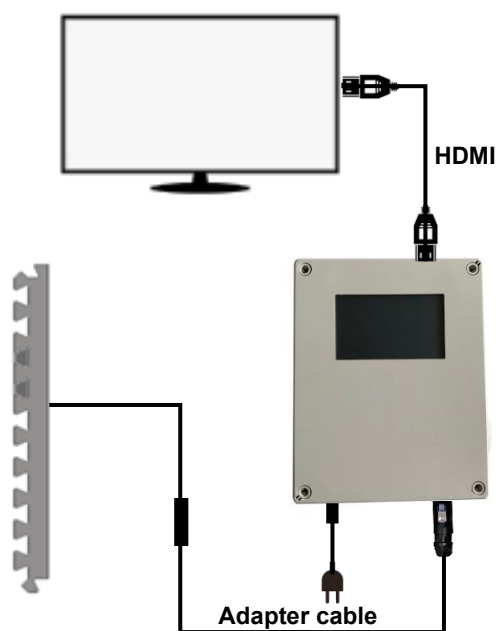
Screw the supplied antenna onto the corresponding threaded socket on the top of the Play Box.

The display on the Playbox can show all applications and games without an additional TV/monitor.

However, if you require a larger display, we recommend connecting an external TV or monitor. To do this, plug the HDMI connection cable into the top of the SMARTfloor PlayBox and connect the HDMI cable to the TV or monitor.



Connect the SMARTfloor PlayBox to the edge element for the power supply using the adapter cable as shown. Make sure that the adapter cable audibly clicks into place when it is plugged into the PlayBox.



Display with connected external monitor

## 4.2 Setting up the pitch for the first time

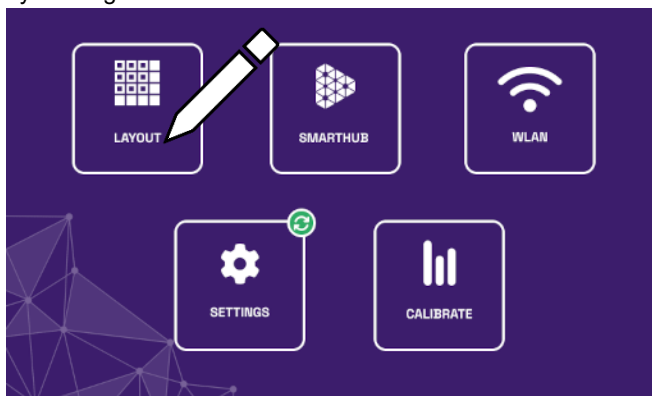
Switch on the SMARTfloor PlayBox. If no TV or monitor is connected, the main overview appears and you can switch to the game selection by swiping from right to left. This is indicated by a hand symbol. We recommend using the supplied stylus to swipe and operate the display.



In the game selection, you can return to the main menu by swiping from left to right.

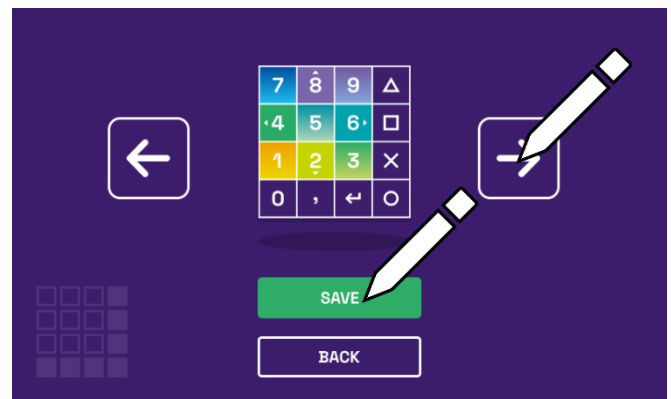


In the main overview, you can access all relevant sub-areas by clicking on them.



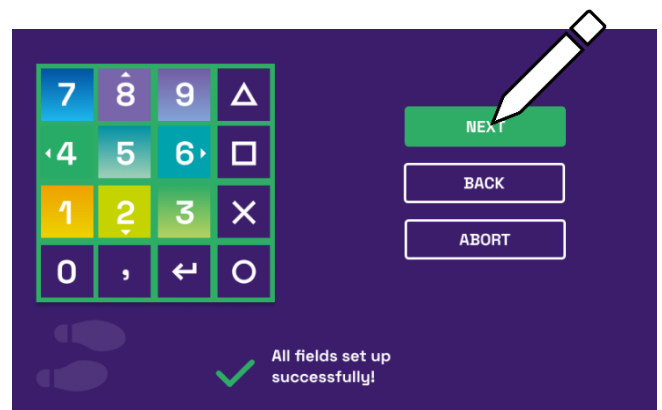
Select the "LAYOUT" area.

Please select the layout you require here, depending on which film you have placed on the sensor mats. Use the arrows to make your selection.



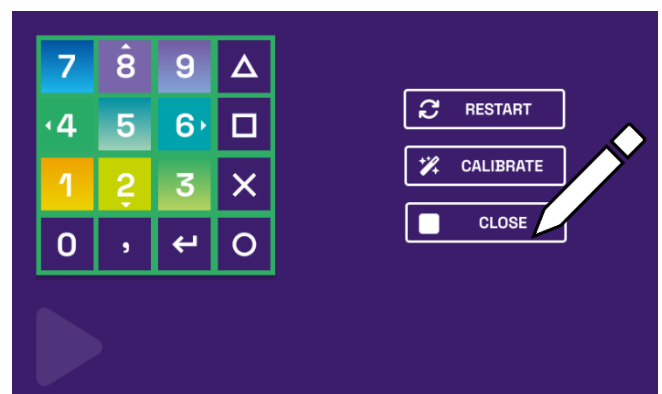
Then confirm with "SAVE".

A setup manager will then start and guide you through setting up the sensor fields. Follow the instructions on the screen.



You can now switch to the game selection (swipe in the main overview or directly on a connected TV or monitor). Navigation now takes place via the corresponding fields on the sensor base.

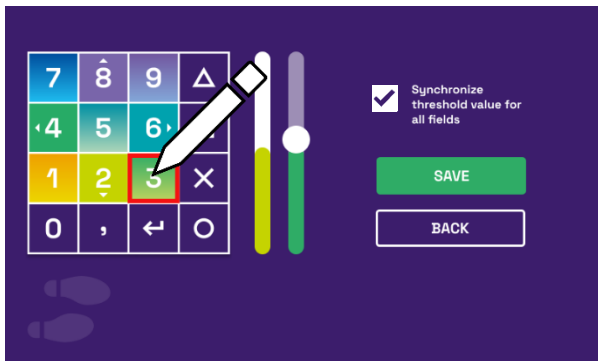
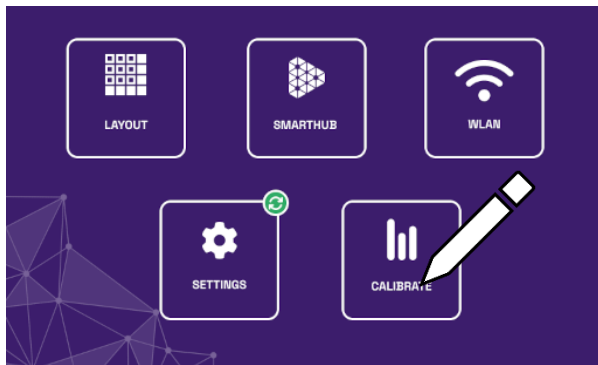
While the game is running on the monitor/TV, the game can be stopped or restarted on the PlayBox screen at any time. Calibration can also be carried out. See 4.3



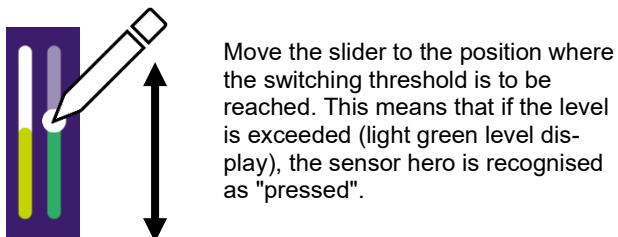
To check whether the setup is correct, you have the option of testing the sensor fields in the layout under "Settings/Device/Test".



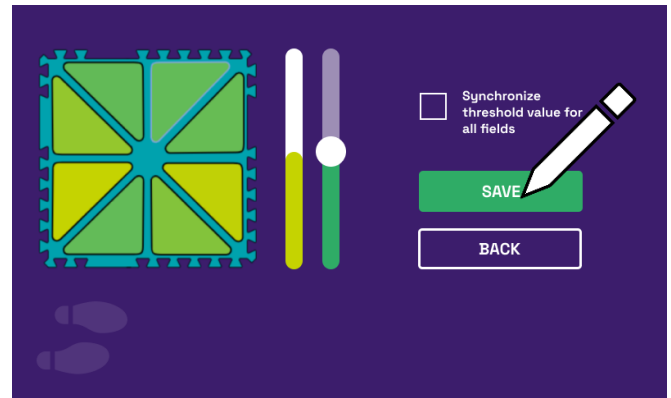
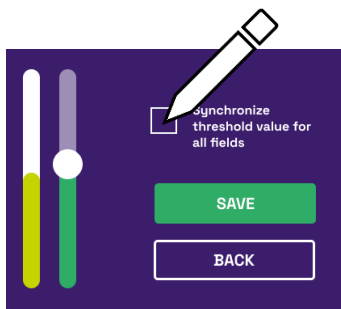
### 4.3 Calibrating the sensor fields



Select a field. Next to the field is a level indicator and a slider.



Remove the tick for synchronisation to carry out a detailed calibration of individual sensor areas within the input field.

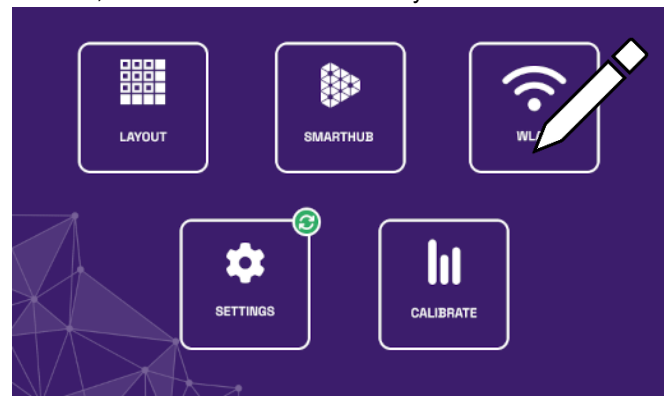


Click on the individual sensor areas and set the threshold value using the slider. Then accept the calibration with "SAVE".

### 4.4 Using the SMARTHUB to load your own games and applications.

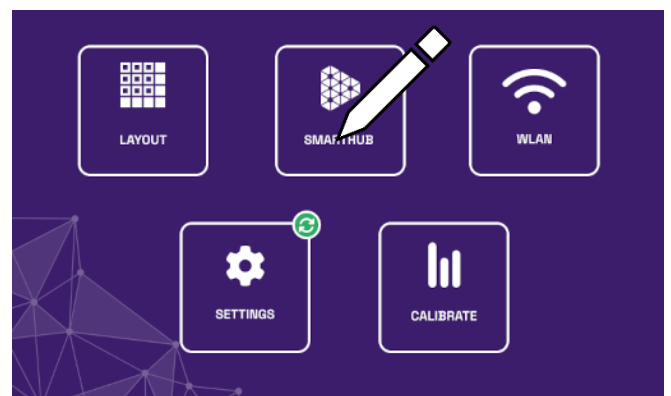
The SMARTHUB allows you to create and test your own games, e.g. with Scratch, and then store them in the hub. To do this, you need to register on the [hub.smartfloor.io](https://hub.smartfloor.io) page.

If you want to play the games you have created on your sensor field, connect the SMARTfloor PlayBox to the WLAN.

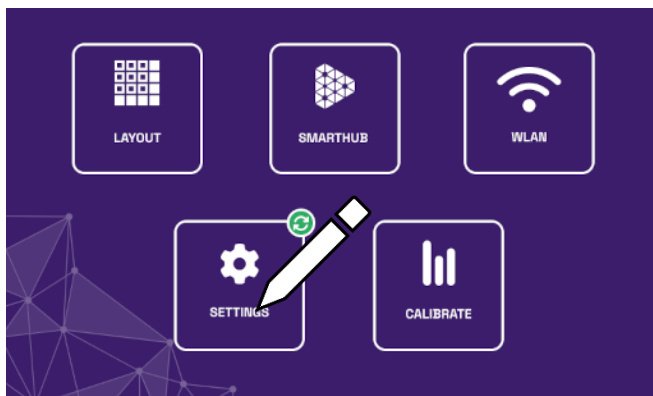


Then select your network (SSID) and enter your password for the network. Then click on "CONNECT".

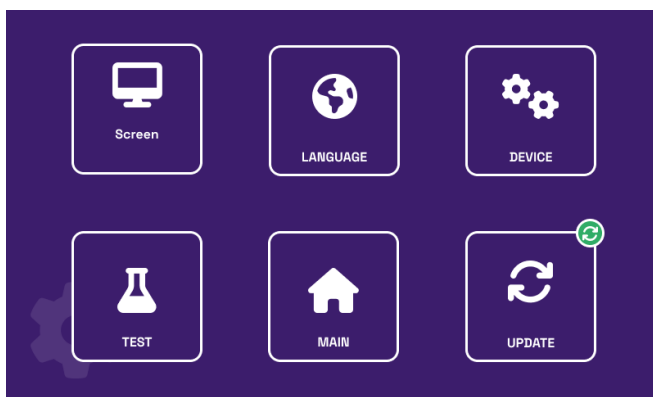
Now click on "SMARTHUB" and enter the access data that you specified when you registered in SMARTHUB.



## 4.5 Miscellaneous settings



You can make device-specific settings under 'SETTINGS'.



Setting the resolution of a connected TV or monitor



Setting the used language



Testing the connected sensor field  
See also chapter 4.2



Perform a firmware update. If the green symbol appears, a new firmware update is available.



Resetting the SMARTfloor PlayBox to the factory settings and licence information with links to the licence texts.

## 5 OPERATING INSTRUCTIONS

This quality appliance fulfils the technical requirements summarised in the current directives of the European Community. The product characteristics entitle it to CE- labelling.

This device may only be operated under expert supervision in a controlled electromagnetic environment in research, teaching and training centres (schools, universities, institutes and laboratories).

Electrostatic charges or similar electromagnetic phenomena (HF, burst, indirect lightning discharges, etc.) can influence the device so that it no longer operates within the specified data. The following measures will reduce or eliminate the disturbing influence: Avoid carpeted floors; ensure potential

equalisation; install on a conductive, earthed surface, use shielding, shielded cables.

## 6 TECHNICAL DATA

(typical for 25 °C)

Operating temperature range	5...40°C
Supply voltage:	see type plate
Power consumption:	43 VA
Mains fuse:	see type plate
<u>Radio</u>	
Frequency:	868.3 MHz
Max. Transmission power	+ 10dBm
Communication range	0... 15m

Housing dimensions (WxHxD)	191x240x107 mm
Mass	1.4 kg

## 7 SCOPE OF DELIVERY

The scope of delivery includes:

- SMARTfloor PlayBox
- Adapter cable
- Touch pen
- Receiving antenna
- IEC connection cable 1.5m
- Spare fuse 1.6A slow-blow
- Operating instructions

## 8 CONFORMITY



Hereby, PHYWE Systeme GmbH & Co KG declares that the radio equipment type 12801-99 is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address:

[www.phywe.com/en/ec-declaration](http://www.phywe.com/en/ec-declaration)

## 9 DISPOSAL

The packaging consists mainly of environmentally friendly materials that should be disposed of at local recycling centres.



This product does not belong in the normal waste disposal (household waste).

If this appliance is to be disposed of, please send it to the address below for professional disposal .

PHYWE Systeme GmbH & Co. KG  
Customer Service Department  
Robert-Bosch-Breite 10  
D-37079 Göttingen

Phone+49 (0) 551 604-0  
Fax+49 (0) 551 604-107

## 10 OPEN SOURCE LICENCE INFORMATION

The product contains software components that are licensed by the rights holders as free software or open source software. The corresponding licences or links to the licence texts can be accessed via the Playbox graphical user interface. (see chapter 4.5)