

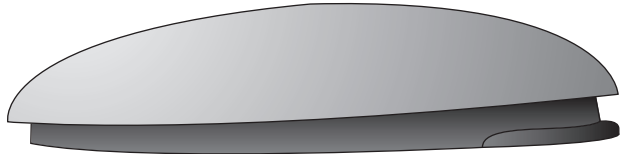
# INSTRUCTIONS

## envi<sup>on</sup> SWITCH 125

### Pack Contents

Carefully check the contents, which are:

**EnvirON SWITCH 125**  
**This manual**



## Product Description

The **EnvirON** range of environmental controls provides disabled and elderly users with a unique, flexible approach to controlling their environment. **EnvirON Switch 125** provides a method to control mains-powered\* as well as infra-red devices\* such as TVs and radios. Because **EnvirON Switch 125** is a wireless device it does not suffer from the directional behaviour of infra-red systems, allowing the user the freedom to place the switch at any position to achieve the most comfortable and practical configuration. **EnvirON Hub** then converts the wireless signals into infra-red.

Because **EnvirON Switch 125** is a single, stand-alone switch it is very straightforward to use, which is a great benefit to users with learning difficulties. Having a single switch to put the TV onto the user's favourite channel is cognitively straightforward and the availability of the unit in several colours helps to differentiate between switches should there be several in the configuration.

## Features

- Can be used to control mains powered\* and infra-red\* devices
- Can also control doors, windows, curtains and locks with suitable hardware.
- Large 125mm (5") operating area
- Choice of colours
- Low operating force
- 10m (32') operating range
- Long battery life
- Easily mounted via industry-standard fixing holes.

*\*Requires iClick to work with mains powered devices. \*Requires EnvirON Hub to work with infra-red devices.*

# Setting up your EnvirON Switch 125

## Step 1. Fitting the batteries

First release the screw from the battery cover on the underside of the unit and remove the flap. Fit two good-quality AAA sized batteries, paying particular attention to ensure correct orientation (a moulded '+' symbol indicates the positive terminal location) then replace the battery cover and fix using the screw.

If you are not intending to use your EnvirON Switch 125 for an extended period of time, it is advisable to remove the batteries to prevent leakage, which may damage the product.

## Step 2. Pairing with EnvirON receiver

First of all decide which EnvirON receiver you will be using EnvirON Switch 125 with. This could be EnvirON Hub if you are going to use the switch to control an infra-red device or it could be an iClick for mains powered devices or EnvirON Connect for door/ window/ curtain openers and locks. Whichever receiver you will be using, the procedure is the same:

First of all, press Pair on the receiver. Adjacent to the Pair button will be a Pairing LED which will flash slowly. While it is flashing, press the Pair button [1] on EnvirON Switch 125 - see diagram below. The pairing process typically takes less than a second to complete, after which a 'P' will appear in the display [3] to show that the switch is now paired with the chosen receiver.

## Step 3. Choose the Mode of the switch

The function of the switch is selected using the Mode button [2] and the display [3]. The mode that you choose differs depending on whether you are using the switch to control an infra-red device or a wireless device:

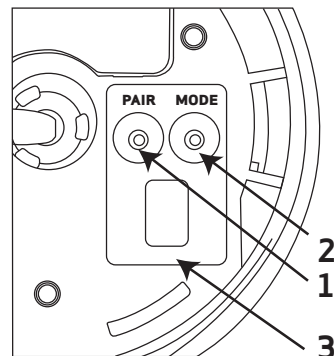
### Wireless devices

The Mode of the switch tells the receiver with which it is paired what to do when it receives some information from the switch. You can decide whether the device is on only for the time you press the switch (Momentary or Direct), whether it changes from off to on and vice versa each time the switch is pressed (Latched) or whether it turns on for a certain period of time (Timed). Which of these you choose depends to a large extent on the type of device you are controlling. For example if it's a lamp, you will probably want it to be in Latched mode whereas if it's a door opener you may need it to be Timed.

Use Table 1 to choose the correct mode for the device you are going to control with the switch and then press the Mode button [2] repeatedly until you see that setting appear on the display [3]. After a few seconds of making no further changes, the display goes blank to save power and the new setting is retained in the switch's memory even if the batteries are removed or run flat.

For example, let's suppose that we would like to have the switch control a lamp plugged into channel 1 of iClick. Having already paired the switch using PAIR 1 on iClick, we must now set the Mode of the switch to '2' which is latched. Each time we press the switch the lamp will change from on to off and vice versa.

*Note that Modes 23 and 24 give 'On Only' and 'Off Only' operation and must be used as a pair to achieve full control of a device. In some cases it can be cognitively more straightforward to have a separate switch for on and off and these two modes provide such a facility. You could, for example, attach a photo of a lamp turned on and another of it turned off to the switches. If you would like to make use of this feature, pair two switches with the EnvirON receiver and set one to Mode 23 (On Only) and the other to Mode 24 (Off Only).*



Mode Setting	Function
1	Direct
2	Latched
3	Timed 5 seconds
4	Timed 10 seconds
5	Timed 15 seconds
6	Timed 20 seconds
7	Timed 25 seconds
8	Timed 30 seconds
9	Timed 35 seconds
10	Timed 40 seconds
11	Timed 50 seconds
12	Timed 1 minute
13	Timed 2 minutes
14	Timed 3 minutes
15	Timed 4 minutes
16	Timed 5 minutes
17	Timed 10 minutes
18	Timed 15 minutes
19	Timed 20 minutes
20	Timed 30 minutes
21	Timed 1 hour
22	Timed 2 hours
23	On Only
24	Off Only

*Table 1- Settings for use with other  
EnvirON devices*

## Infra-Red Devices

If you are going to use your switch to control an infra-red device such as a TV, you will need to pair it with an **EnvirON Hub**. You must then choose which Mode to set the switch to in order to achieve the required action. The switch will then send the relevant information to Hub wirelessly and Hub will convert it to infra-red for the TV.

You should already have programmed the required infra-red codes into Hub and also written them onto the provided Infra-Red Chart. If not, please do this now, by reference to the Hub instruction booklet, before proceeding.

Now look down the entries in the Infra-Red Chart and choose the function you would like to assign to the switch. For example, it may be Power On/Off or Channel Up. Read the Code number for that infra-red function and set the switch Mode to the same number.

Let's suppose we want to set the switch to Channel Up, which according to the Infra-Red Chart is on Code 2. Then press the Mode button [2] repeatedly until you see '2' appear on the display [3]. After a few seconds of making no further changes, the display goes blank to save power and the new setting is retained in the switch's memory even if the batteries are removed or run flat.

The switch will now instruct the TV to increase the channel number each time it is pressed, via Hub.

## Mounting

Your **EnvirON Switch 125** has industry-standard mounting holes to allow it to be mounted on a mounting system or fixed to a surface to prevent it moving around. The tapped holes require M4 set screws.

## Maintenance.

Your **EnvirON Switch 125** contains no user serviceable parts. If repair is necessary the unit should be returned to Pretorian Technologies or an authorised distributor.

## Warranty

Your **EnvirON Switch 125** is warranted against defects in manufacturing and component failure. The unit is designed for domestic and educational applications. Use outside these areas will invalidate the warranty. Unauthorised repair or modification, mechanical abuse, immersion in any liquid or connection to incompatible sources of power will also invalidate the warranty.

# Troubleshooting

The following table lists some common problems. In addition, there are a series of informative videos on how to set up the EnviroN product range on Pretorian Technologies' website. Please use the following QR code, or navigate to the EnviroN Remote product page.



If, once you have been through this table and reviewed the videos, you still experience difficulties, please contact your local distributor or Pretorian Technologies directly.

Symptom	Possible Cause	Remedy
Switch does not function when pressed	<ul style="list-style-type: none"><li>• Battery flat</li><li>• Switch is not paired</li><li>• Mode is set to Off Only (24)</li></ul>	<ul style="list-style-type: none"><li>• Replace with two good quality AAA sized batteries</li><li>• Pair switch with receiver</li><li>• Only use this mode if there is a corresponding switch set to On Only (23)</li></ul>
Switch turns on mains powered device on iClick but will not turn it off again.	<ul style="list-style-type: none"><li>• Mode is set to a long timed period.</li><li>• Mode is set to On Only (23).</li></ul>	<ul style="list-style-type: none"><li>• Review Mode setting and change as appropriate.</li><li>• Review Mode setting and change as appropriate</li></ul>
Switch carries out the wrong action on the TV	<ul style="list-style-type: none"><li>• Mode is set incorrectly</li></ul>	<ul style="list-style-type: none"><li>• Check that Infra-Red Chart is up to date (using Test on Hub for example).</li><li>• Review Infra-Red Chart and select the correct Code, making sure that the switch's Mode corresponds</li></ul>
Switch works intermittently	<ul style="list-style-type: none"><li>• Batteries may be getting flat</li><li>• Switch and receiver out of range</li></ul>	<ul style="list-style-type: none"><li>• Replace with two good quality AAA sized batteries.</li><li>• Move closer to receiver.</li></ul>