

# INSTRUCTIONS

## iControl



### Pack Contents

Carefully check the contents of the box, which are:

**iControl unit**

**USB charging cable**

**2 x toy cables**

**These instructions**

### Product Description

iControl is a feature rich controller allowing users to control up to two battery powered devices from an iPad using the free-of-charge iClick app for iPad.

iControl includes iPad wireless connectivity, allowing interference free activation of appliances at up to 20 metres. Its internal rechargeable battery gives approximately 40 hours of use between charges.

Up to seven selectable modes enable the user to choose how, and for how long, the device(s) will be turned on. Three modes give independent control of two appliances; four modes provide co-operative control of both appliances.

Although simple to operate, to ensure you get the best experience from using your new iControl, please take time to read this instruction booklet.

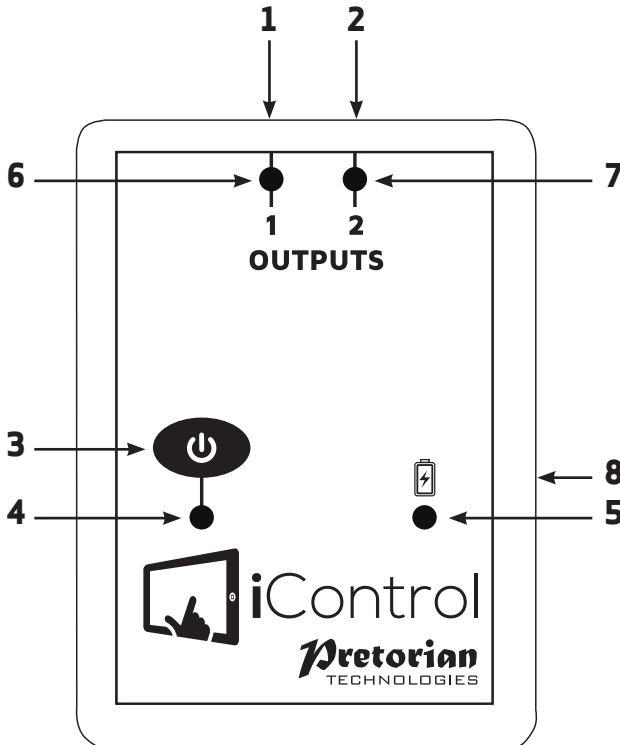
# Features

- Up to seven selectable control modes. Three modes provide independent switch operation; four provide co-operative switch operation.
- Two 3.5mm device output sockets.
- Interference free operation at up to 20 metres distance.
- Internal rechargeable lithium-ion battery.

## Quick Set-Up

1. Ensure iControl is fully charged by plugging the supplied charging cable into the product and also into a powered USB socket.
2. Turn on iControl by pressing the power switch [3] briefly. The adjacent LED will light to indicate that the unit is operational.
3. Plug device(s) into the device socket(s) [1/2] using the supplied cable(s) and turn the appliance(s) on if they have their own power switches.
4. Tap on the iClick app and ensure it is connected to the iControl (see below). Set the required functionality using the app settings.
5. Tap the iPad on-screen buttons and the device(s) will operate.

The following sections describe in more detail the way in which iControl operates:



# Charging your iControl

The internal battery may be charged by plugging the supplied charging cable into iControl and then into a computer or phone charger USB port. The charging LED [5] will illuminate green to show that charging is taking place. Once charged, the charging light is extinguished.

## Connecting to an iPad

Uniquely among assistive technology equipment, iControl can connect to an iPad via the associated app (called iClick) to allow users to control battery powered devices using on-screen buttons.



You must first download the free-of-charge iClick app from the Apple App Store. The adjacent QR code can be used to take you directly to the relevant page of the App Store, or you can simply search for Pretorian or iClick. The app is free of charge.

Making a connection between an iControl product and the iClick app is carried out within the app and NOT from iPad Settings. First tap on the  icon in the app. You can see whether a device is already connected and if so, which, from the first item on the screen. If there's no connection it will appear like so:



No connected devices

In addition, the power LED [4] will flash to indicate the unit is not currently connected.

Alternatively, if a device is already connected, it might appear like so (and the power LED will be lit continuously):



Device



Pretorian 1E17

The combination of four characters appended to the product name is a unique code that allows you to identify the device that's connected even in a room full of similar devices. On the base of iControl is a label bearing a four character code and this code corresponds with what's shown on screen.

To connect a particular iControl, first observe its 4-character code and then look for it on screen. Tap on it and it will connect. The power LED [4] will now light continuously to indicate that a connection has been made and the app is now ready to control the appliance(s).

# Setting Up

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The function of each button on screen, and the number and appearance of the buttons, is set using the app settings. Tap on the  icon and set up each button as required. Further information is available in the on-line app help guide, also available from the  icon.

Whenever an output is on, the corresponding LEDs [6,7] light.

Note that, for reasons of safety and convenience, the outputs may be turned off at any time from the app simply by tapping the **All Off** icon. This works immediately, irrespective of the Delayed Access setting.

## Automatic Sleep Mode

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To conserve battery life, iControl automatically enters a low-power sleep mode if it remains unused for an hour. Pressing the power button [3] awakens it. While asleep, the connection with the iPad is lost but is automatically re-established within a few seconds of wake-up.

If the unit remains disconnected from an iPad for more than 5 minutes, it will also enter low-power sleep mode. Press the power button to awaken it.

## Manual Sleep Mode

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If the unit is to be transported when not in use, it is sometimes convenient to be able to put the device to sleep manually. Simply **press and hold** the power button [3] until the power LED [4] is extinguished. The iControl is then asleep and can be awakened by pressing the power button once again.

## Maintenance








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iControl has no user serviceable parts. If repair is necessary the unit should be returned to Pretorian Technologies Ltd or an authorised distributor.

The unit contains a lithium-ion battery that isn't user replaceable. Although the unit uses the very latest battery and battery charging technology, the battery may eventually need to be replaced. Disposal of batteries is often subject to local laws. Please consult your local authorities for information relating to your locale. Never dispose of a battery in fire.

Direct		✓
Latched		
Timed		
Co-Operative Direct		
Co-Operative Latched		
Co-Operative Timed		
On/Off		

BUTTON 2 MODE

Direct		✓
Latched		
Timed		
Co-Operative Direct		
Co-Operative Latched		
Co-Operative Timed		
On/Off		




TIMER PERIOD

Timer Period	45 sec
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BUTTON APPEARANCE

2 Dimensional (Flat)	
3 Dimensional	✓

BUTTON SUMMARY

1		36pt
2		36pt
Button 2 visible on screen		

DELAYED ACCESS

Immediate		✓
Delayed		

INFO

Help

# Battery Life and Battery Charging

A fully charged battery gives approximately 40 hours of use, depending on how many times the outputs are turned on and off, and for what duration.

When the battery is getting low, the Charging LED [5] will begin to blink orange. This is an indication that you should charge the battery soon.

Plug the charging cable into the charging socket [8] and then into a USB port, for example on a computer or phone charger. Ensure the USB socket is powered.

While charging, the Charging LED will be illuminated green. Once charging is complete

(a matter of a few hours if fully discharged), the charging LED is extinguished. You can then unplug the cable. You can continue to use iControl while it is charging.

If you should misplace the charging cable, it can be replaced with a standard mini-USB to USB-A lead which is available from most electrical retailers. It is more commonly referred to as a 'camera cable'.

iControl plugs into a computer USB port for charging purposes only- it does not give a functional connection this way.

## Safe Operation



**Your safety, and that of the people around you, is of paramount importance. Please read these guidance notes to ensure that the unit, and the appliances that are connected to it, are operated in a safe manner.**

- Ensure you are familiar with the devices you plug into iControl by reading their operator's manual and/or using them separately to begin with.
- If an appliance can cause injury due to rotating parts, sharp blades or similar, unplug it from iControl before exposing the parts which might cause injury.
- Cables can be a trip hazard- ensure they are kept off the floor. Do not allow cables to hang over the edge of a work surface where children can pull on them.
- Wherever possible, keep iControl out of sight of the user since it can be a distraction from the activity being taught.
- Do not allow the user to turn the load on and off rapidly by clicking repeatedly on the switches. This could damage the appliance and the iControl.
- Whilst iControl uses state of art wireless technology to communicate with wireless switches and the iPad, it is still possible for appliances to be energised unintentionally, or for an appliance to fail to be turned off when required. Ensure the unit is switched off when not in use.
- Never operate the unit near to water.
- Never open the unit or attempt any kind of repair.

# Troubleshooting

Symptom	Possible Cause	Remedy
No power to iControl	<ul style="list-style-type: none"><li>Battery not charged</li><li>Unit not switched on</li></ul>	<ul style="list-style-type: none"><li>Charge battery using supplied cable into a USB port.</li><li>Press the power button.</li></ul>
Power LED is blinking	<ul style="list-style-type: none"><li>Not connected to an iPad</li></ul>	<ul style="list-style-type: none"><li>Go into Settings in the app and connect the iControl</li></ul>
Touching the buttons on the iPad screen has no effect	<ul style="list-style-type: none"><li>Not connected to an iPad (Power LED will be blinking)</li><li>Button settings are not as you would like them</li></ul>	<ul style="list-style-type: none"><li>Go into Settings in the app and connect the iControl</li><li>Go into Settings in the app and set accordingly.</li></ul>

# Technical Specification

## Input/Output Power:

Output maximum voltage 30V

Output maximum continuous current 1 Amp

Output on-state resistance 1 $\Omega$

# Warranty

iControl is warranted against defects in manufacture or component failure. The unit is designed for use in domestic, educational, health and commercial applications. Use outside these areas will invalidate the warranty.

iControl is not authorised for use with safety critical, mission critical or life/health sustaining apparatus of any kind, nor for patient contact.

Unauthorised repair or modification, mechanical abuse or immersion in any liquid will invalidate the warranty.

