



SimplyWorks® INSTRUCTIONS

**New
Features
Added**

CONTROL

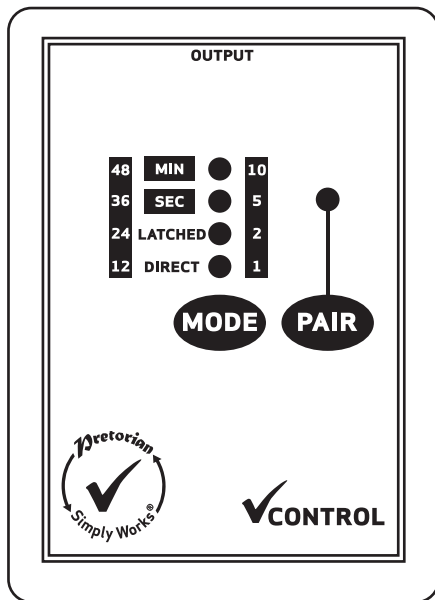
Pack Contents

Carefully check the contents of the box, which are:

CONTROL

3.5mm jack plug cable

This manual



Product Description

SimplyWorks® is the world's first fully integrated wireless system specifically for users with motor skills difficulties.

SimplyWorks® allows you the freedom to create wire-free, single or multi-user learning environments, reducing set up time and allowing you to concentrate on the learning tasks themselves.

CONTROL may be used with any of the SimplyWorks® transmitters to control toys, lamps, fans or any battery operated equipment via a standard 3.5mm jack plug.

CONTROL is simple to operate but to ensure you get the most from your purchase, please take time to read this instruction booklet.

Features

- Works with any SimplyWorks® transmitter to control battery operated toys or other output devices.
- Choice of Direct, Latched, Timed (seconds) and Timed (minutes) modes of operation.
- Up to six wireless switches may be paired.
- Selectable time periods in timed modes
- Single 3.5mm jack plug output via supplied lead.
- Small enough to strap to a battery operated toy.
- 10 Metre (32') operating range
- Automatic power saving mode - no on/off switch.
- Long battery life.

Compatibility

CONTROL is compatible with any SimplyWorks® transmitter unit. Although primarily designed to be used with **SWITCH 75**, **SWITCH 125** or **SEND**, it is possible to pair **CONTROL** with any SimplyWorks® transmitter. For example, if paired with a keyboard,

the Space key becomes the activating key, or if paired with a SimplyWorks® **TRACKBALL** the left button becomes the activating key. Uniquely, when a SimplyWorks® **JOYSTICK** is used, the stick can also be used as a 'wobble switch'.

Fitting the Batteries

First remove the battery cover on the underside of the unit. Fit two AAA style batteries, paying particular attention to ensure correct orientation (a moulded '+' symbol indicates the positive terminal location), then replace the cover. As with all battery

powered products, using good quality batteries such as Duracell or Energiser is recommended.

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

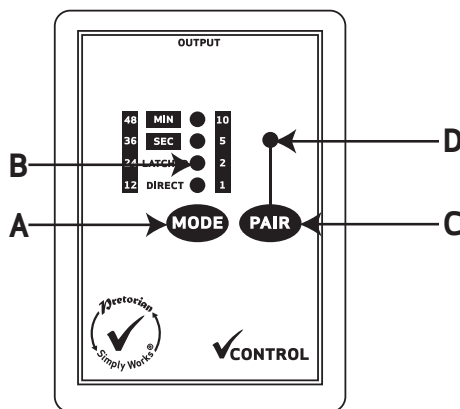
Pairing

Before your **CONTROL** can be used it must be paired with the SimplyWorks® transmitters that you require it to work with. To pair the units, use the following procedure:

- 1 Place the transmitter unit close to your **CONTROL**.
- 2 Briefly press the Pair button (C) on the front panel of **CONTROL**. The pair LED (D) will begin to flash slowly.
- 3 Within 10 seconds, press the Pair button on the transmitter.
- 4 The Pair LED on **CONTROL** will continue to flash for a short time while it negotiates with the transmitter. Once complete, the Pair LED will light steadily for 5 seconds to indicate success. **CONTROL** is then ready to use. Whenever data is successfully sent to **CONTROL** its Pair LED flashes briefly to give visual indication that the wireless link is operational.
- 5 If the Pair LED stops flashing after 30 seconds and does not light steadily, repeat the process from (2). If it is still not successful, please refer to the Troubleshooting section.

6 If you are using multiple switches, repeat the process from (2) for up to six transmitters.

Pairing information is retained in **CONTROL** internal memory even after changing the battery.



You can pair up to six wireless switches with **CONTROL**, allowing collaboration between several users. If you attempt to pair a seventh switch, the switch that was used least recently will be replaced with the new one. The other switches are unaffected.

If at any stage you would like to clear the pairing memory, press and hold the pairing button [C] until the pairing LED [D] flashes rapidly. The pairing information for all switches will be erased, allowing you to start over.

Setting The Operating Mode

CONTROL offers four modes of operation:

- **Direct** The output is activated when at least one switch is pressed and deactivated when all switches are released. Also known as 'momentary mode'. This is the default mode.
- **Latched** The output is activated on the first press of any paired switch and deactivated on the second press.*
- **Timed (seconds)** The output is activated for the selected number of seconds when at least one switch is pressed. Subsequent presses of any switch during the timer period do not extend the timer period.
- **Timed (minutes)** The output is activated for the selected number of minutes when at least one switch is pressed. Subsequent presses of any switch during the timer period do not extend the timer period.

Pressing the Mode button [A] briefly allows you to view the current mode setting on the associated LEDs [B] without making a change.

After 4 seconds the LEDs are extinguished to save power.

To change the Mode setting, briefly press the Mode button again while the LEDs are still lit, repeating until the required Mode setting is shown on the LEDs. After a further 4 seconds the LEDs are extinguished and the Mode setting is stored.

Note that in Timed (seconds) or Timed (minutes) modes, the output may be turned off during the timer period simply by pressing the Mode button. This allows you to curtail a long timer period, for example.

*Some toys may incorporate a Latched Mode. In this case we recommend you turn-off Latched Mode on **CONTROL**.

Setting The Timer Period

To change the timer period, press and hold the Mode button [A] until the LEDs [B] are illuminated. The timer period can simply be read from the legend adjacent to the uppermost LED that is lit, either in seconds or minutes dependent on the Mode setting. After 4 seconds the LEDs are extinguished to save power. To change the Timer Period setting, briefly press the Mode button again while the LEDs are still lit, repeating until the required period setting is shown on the LEDs. After a further 4 seconds the LEDs are extinguished and the Timer Period setting is stored.

Operating with a SWITCH 125, SWITCH 75 or SEND

In most cases **CONTROL** will be used with a **SWITCH 125**, **SWITCH 75** or **SEND**. It does not matter which mode these are set to. **CONTROL** will Simply Work! However, it is best to avoid ~1 and ~3 since these send multiple key presses.

Learning Scenarios

Because **CONTROL** is a small, lightweight unit, it may be strapped to a battery powered toy, for example, allowing wire-free control of the toy using either a **SWITCH 125**, **SWITCH 75** or indeed any other type of switch via **SEND**.

Pairing **CONTROL** with a SimplyWorks® **JOYSTICK** also allows the stick to become a 'wobble switch' to control the toy for users who cannot easily use a regular switch.

The timed modes may be used to good effect when controlling devices such as fans and lamps since the period for which they are energised is pre-determined and can be selected to be long enough for the user to actually feel or see the effect even with a brief press of the switch.

Given the enormous flexibility that the SimplyWorks® concept affords you, there are countless other learning scenarios that you can devise as your experience grows.

Maintenance

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

Output Rating

The output rating of the 3.5mm jack is 1 Amp at upto 30V. Exceeding this rating may cause permanent damage and is not warranted.

Troubleshooting

If your **CONTROL** does not operate correctly, please use the following guide to determine the cause. If, after following this guide, your unit still does not operate, please contact your supplier before returning it.

| Symptom | Possible Cause / Remedy |
|---|---|
| Unit not functioning | <ul style="list-style-type: none">• Not paired with transmitter - follow procedure in Pairing section.• Batteries flat in either transmitter or CONTROL- replace. |
| Unit works erratically or intermittently | <ul style="list-style-type: none">• Batteries flat in either transmitter or CONTROL - replace.• Out of range - move transmitter unit closer to CONTROL.• Interference - place both transmitter unit and CONTROL away from sources of interference. |
| Units will not Pair - LED is extinguished after 30 seconds. | <ul style="list-style-type: none">• Batteries flat in either transmitter or CONTROL - replace.• Ensure transmitter unit is close to CONTROL (eg 1 metre / 1 yard) while pairing. |

Warranty

Your **CONTROL** is warranted against defects in manufacture or 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 equipment will also invalidate the warranty.



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S040015: 1
Refers to firmware
version 60.0 and later