



SimplyWorks® INSTRUCTIONS

**New
Features
Added**

CONTROL PRO

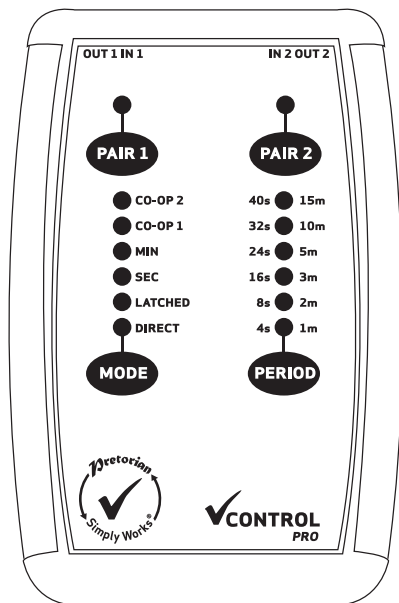
Pack Contents

Carefully check the contents of the box, which are:

CONTROL PRO

**Two 3.5mm jack
plug cables**

This manual



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 PRO may be used with any of the

Product Description

SimplyWorks transmitters to control toys, lamps, fans or any battery operated equipment via a standard 3.5mm jack plug. It has two independent channels and also benefits from two co-operative modes. It can be used with both wireless and wired switches simultaneously to afford you the greatest flexibility.

CONTROL PRO 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.
- Two independent channels.
- Up to three wireless switches and one wired switch may be connected to each channel
- Choice of Direct, Latched, Timed (seconds), Timed (minutes) and two Co-Operative modes of operation.
- Selectable time periods in timed modes.
- Two 3.5mm jack plug outputs via supplied leads.
- 10 Metre (32') operating range
- Automatic power saving mode - no on/off switch.
- Long battery life.

Compatibility

CONTROL PRO is compatible with any SimplyWorks® transmitter unit. Although primarily designed to be used with a wired switch, **SWITCH 75**, **SWITCH 125** or **SEND**, it is possible to pair **CONTROL PRO** 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 AA style batteries, paying particular attention to ensure correct orientation (the '+' 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 PRO** for an extended period of time, it is advisable to remove the batteries to prevent leakage, which may damage the product.

Pairing

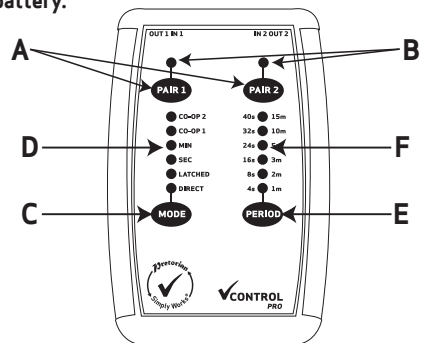
Before your **CONTROL PRO** can be used it must be paired with the SimplyWorks® transmitters that you require it to work with. To pair the units, use the following procedure:

- 1 Place the transmitter unit close to your **CONTROL PRO**.
- 2 Choose which channel of **CONTROL PRO** you would like the transmitter to work with.
- 3 Briefly press the appropriate Pair button (A) on the front panel of **CONTROL PRO**. The corresponding Pair LED (B) will begin to flash slowly.
- 4 Within 10 seconds, briefly press the Pair button on the transmitter.
- 5 The Pair LED on **CONTROL PRO** 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. Your **CONTROL PRO** is then ready to use. Whenever data is successfully sent to **CONTROL PRO** the Pair LED on the appropriate channel flashes briefly to give a visual indication that the wireless link is operational.
- 6 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.

- 7 If you are using multiple switches, repeat the process from (2) for the other channel, using a second transmitter unit.

Note that unless a Co-Operative mode is selected, the two channels operate completely independently - the transmitter paired with channel 1 operates the channel 1 output and the transmitter paired with channel 2 operates the channel 2 output.

Pairing information for both channels is retained in **CONTROL PRO** internal memory even after changing the battery.



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

If at any stage you would like to clear the pairing on either channel, press and hold its respective pairing button [A] until the pairing LED [B] flashes rapidly. The pairing information for all three switches will be erased, allowing you to start over.

Setting The Operating Mode

CONTROL PRO offers six modes of operation. The same mode is used for both channels.

- **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 a switch and deactivated on the second press*.
- **Timed (seconds)** The output is activated for the selected number of seconds when the switch is pressed. Subsequent presses of the switch during the timer period do not extend the timer period.
- **Timed (minutes)** The output is activated for the selected number of minutes when the switch is pressed. Subsequent presses of the switch during the timer period do not extend the timer period.
- **Co-Operative 1** Both outputs are activated if at least one switch on channel 1 AND 2 are activated simultaneously. Whenever all the switches are released on either channel, both outputs are deactivated.
- **Co-Operative 2 (also known as on/off co-operation)** Both outputs are activated when at least one channel 1 switch is pressed and deactivated when at least one channel 2 switch is pressed.

Note that no distinction is made between wired and wireless switches in the above descriptions - both have the same effect.

Pressing the Mode button [C] briefly allows you to view the current settings on the associated LEDs [D] 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. Should both channel outputs be on when pressing the Mode button in this way, both timer periods are curtailed.

In both Co-Operative modes both output channels become active.

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

Setting The Timer Period

To view the Timer Period setting, briefly press the Period button [E] and the LEDs [F] are illuminated.

The timer period can simply be read from the legend adjacent to the 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

Period 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.

Note that the same Timer Period setting is used for both channels.

Operating with a SWITCH 125, SWITCH 75 or SEND

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

Learning Scenarios

Co-Operative mode 1 is very useful in helping users to interact and co-operate with their peers. Only when both switches are pressed will the output activate, encouraging communication between users.

Similarly, Co-Operative mode 2 may be used in rôle play to encourage users to share tasks. One user has control of 'on' and the other controls 'off'. Thus users learn that they cannot create an effect until their peer has taken their turn.

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.

Pairing **CONTROL PRO** 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.

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 PRO** 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 PRO** 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.• Check which channel the transmitter is paired with and ensure that the output device is connected on the same channel.• Batteries flat in either transmitter or CONTROL PRO - replace.
Unit works erratically or intermittently	<ul style="list-style-type: none">• Batteries flat in either transmitter or CONTROL PRO - replace.• Out of range - move transmitter unit closer to CONTROL PRO.• Interference - place both transmitter unit and CONTROL PRO 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 PRO - replace.• Ensure transmitter unit is close to CONTROL PRO (eg 1 metre / 1 yard) while pairing.

Warranty

Your **CONTROL PRO** 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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S040016: 1
Refers to firmware
version 37.2 and later