Pretorian Twin SLAT Twin Switch Latch And Timer Instructions

Contents

Pretorian Twin SLAT Twin Switch Latch And Timer

Specifications

- Product Name: Twin Switch Latch and Timer (Twin SLAT)
- Manufacturer: Pretorian Technologies
- Power Source: 2 x AAA batteries
- Modes: Direct, Latched, Timed, Co-Operative Direct,
  Co-Operative Latched, Co-Operative Timed, On/Off, Media Timed
- Timer Period Settings: 5 seconds to 1 hour

Product Description
Twin SLAT is a flexible battery-powered appliance controller for one or two toys or other low-voltage appliances. It features various modes including Direct, Latched, Timed, and Co-Operative modes for controlling the outputs.

Getting Started

1. Remove the battery cover and insert two AAA batteries.|
2. If not using the device for an extended period, remove the batteries to prevent leakage.

Operation
The two channels operate independently but are subject to the same mode and timer period settings. Plug a switch into one or bothinput sockets [1, 2] and a toy or appliance into one or both output sockets [3, 4] using the supplied cables. The output LEDs light up when the corresponding output is activated.

A timer period can be ended early by pressing the Period button [6].

Learning Scenarios
The timed modes are useful for controlling devices like fans and lamps with predetermined energizing periods.

Co-operative modes encourage communication and interaction between users by requiring both switches to be pressed for the outputs to change state.

Power On/Power Off
Twin SLAT powers down automatically after 10 minutes of non-use and wakes up upon detecting activity on buttons or external switches. It will not go to sleep until any pending timer activity has timed out.

FAQ
Q: What type of batteries should I use with Twin SLAT?
A: It is recommended to use high-quality AAA batteries such as Duracell or Energizer for optimal performance.

INSTRUCTIONS

Twin Switch Latch and Timer (Twin SLAT)

Product Description

Twin SLAT is a flexible toy/ battery power appliance controller for one or two toys, or other low-voltage appliances. It benefits from the following modes:

Direct
(outputs activate for as long as the switch is pressed)

Latched
(press the switch once for on and again for off)

Timed
(selectable time period from 5 seconds to 1 hour)

Co-Operative Direct
(turns on both outputs for as long as both switches are pressed)

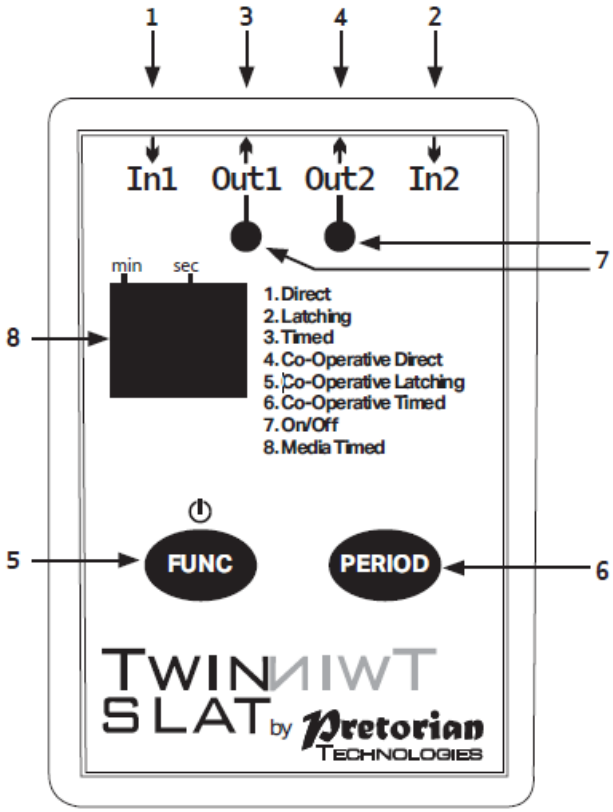
Co-Operative Latched
(toggles both outputs whenever both switches are pressed)

Co-Operative Timed
(turns on both outputs for a period between 5 seconds and 1 hour when both switches are pressed)

On/Off
(Switch 1 turns on both outputs; Switch 2 turns off both outputs)

Media Timed
(pulses the output at the beginning and end of timer period. Ideal for playing music for a limited period on media players with play/pause function).

- Two 3.5mm jack plug outputs via supplied leads.
- Two independent channels
- Choice of 8 operating modes
- Long battery life.
- Selectable time periods in timed modes.
- Automatic power saving mode- no on/off switch required (manual power-down option).



Getting Started

First of all, remove the battery cover and fit two good quality AAA batteries. Alkaline batteries such as Duracell or Energizer are best. If you are not intending to use your Twin SLAT for an extended period of time, it is advisable to remove the batteries to prevent leakage, which may damage the product.
Now select the output mode you would like to use. Briefly press the Function button [5] and the display [8]will come on, showing the current output mode according to Table 1. If you would like to change the setting, press the Function button repeatedly until the correct number appears on the display. Once you see the setting you require, simply wait until the display is extinguished, following which the setting is saved in memory and becomes the active setting.

If you selected a Timed setting (Timed, Co-Operative Timed or Media Timed), you also need to set the timer period. Briefly press the Period button [6] and the unit will show the timer period numerically on the display [8]. The LEDs above the numerical setting specify whether the setting is in seconds or minutes. If you would like to change the timer period, press the Period button repeatedly until the correct setting appears on the display. Once you see the setting you require, simply wait until the display is extinguished, following which the setting is saved in memory and becomes the active setting. Table 2 lists the available settings.

Mode Setting	Mode
1	Direct
2	Latched
3	Timed
4	Co-Operative Direct
5	Co-Operative Latched
6	Co-Operative Timed
7	On/Off
8	Media Timed

Table 1: Mode Settings

Timer period
5 sec
10 sec
15 sec
20 sec
25 sec
30 sec
40 sec
50 sec
1 min
2 min
3 min
4 min
5 min
10 min
15 min
20 min
25 min
30 min
40 min
50 min
60 min

Table 2: Timer Settings

Operation

The two channels operate completely independently, although are subject to the same mode and timer period settings. Simply plug a switch into one or both input sockets [1, 2] and a toy or other low voltage appliance into one or both output sockets [3, 4] using the supplied cables.
As a visual indication, the Output LEDs [7] light whenever the corresponding output is activated.
Note that a timer period can always be ended early by pressing the Period button [6]. This can be useful if a long timer period is started in error.

Learning Scenarios

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.

Co-Operative modes are very useful in helping users to interact and co-operate with their peers. Only when both switches are pressed will the outputs change state, encouraging communication and interaction between users. Similarly, On/Off mode may be used in role 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. On/Off mode is also very useful for a single user as it splits the cognitive processes into two clearly defined goals: to turn on the toy/appliance and to turn it off again. It may be possible to attach a picture of the energised appliance to the ‘on’ switch and a picture of it de-energised to the ‘off’ switch. This can be particularly effective if the toy/appliance lights up.

Power On/Power Off

Twin SLAT powers down automatically after 10 minutes of non-use and wakes up when it next detects any activity on buttons or external switches. It will not go to sleep until any pending timer activity has timed out.
IMPORTANT NOTE: Twin SLAT will only power down automatically when both its outputs are inactive. If you leave an output latched on, it will be unable to power down and this will adversely affect battery life.

When the unit powers back up, all the settings are recalled, allowing the user to continue from where they left off with the same settings.
Although it is normally sufficient to allow the unit to power down automatically, it will then wake up due to switch activity as well as button activity, which means that if switches are left plugged into it, it can wake up inadvertently during transit, adversely affecting battery life. To prevent this, the unit can be powered down manually by pressing and holding the Function button [5] until all the display segments are lit. After manual power down, only the two buttons can wake Twin SLAT and not the switch inputs.

Output Rating

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

Maintenance

Twin SLAT has no user serviceable parts. If repair becomes necessary, the unit should be returned to Pretorian Technologies or an authorized distributor.

Warranty

Your Twin SLAT is warranted for 24 months from the date of purchase against defects in manufacture or component failure. The unit is designed for domestic, educational, commercial and a limited range of medical applications. Use outside these areas will invalidate the warranty. Unauthorized repair or modification, mechanical abuse, immersion in any liquid or connection to any incompatible equipment will invalidate the warranty.

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For use with firmware 139

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Documents / Resources

	Pretorian Twin SLAT Twin Switch Latch And Timer [pdf] Instructions Twin SLAT Twin Switch Latch And Timer, Twin SLAT, Twin Switch Latch And Timer, Switch Latch And Timer, Latch And Timer, Timer

References

- Pretorian Technologies | Assistive Technology UK
- User Manual