

# *User Manual*

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## **Single, Choice and Dual Switch Latch and Timers**



- Do not open the Switch Latch and Timer or control unit to expose the interior.
- Do not use the Switch Latch and Timer in an environment where inflammable vapors may be present.

### Care and Storage

- If cleaning is required, first disconnect the Switch Latch and Timer from the switch, the toy or appliance, and the control unit. Wipe the exterior surface with a damp cloth.
- When storing or packing for transport, wrap products in protective padding.
- Never carry the Switch Latch and Timer or any appliance by the cord, as damage may result to the cord.

### Warranty

AbleNet offers a one-year limited warranty on all AbleNet products: other manufacturers' products carry manufacturer's warranty. Warranty in full text is available upon request.

### Guarantee

AbleNet offers a 30-day, money-back guarantee if our products do not meet your needs or expectations. Products must be in new condition to honor this service. **Please follow our repair/return policy when sending products back under our guarantee.**

### Introduction

The AbleNet Switch Latch and Timer (SLAT) allows switch operation of battery-operated toys and appliances. It is available in three models: Single, Dual and Choice. This manual provides quick reference for operation and maintenance of all three models, and notes operating information for a particular model wherever they differ.

### Modes of Control

The Single, Dual and Choice models of the Switch Latch and Timer each offer three modes of control: timed seconds, timed minutes, and latch mode.

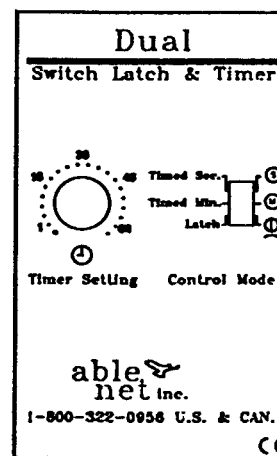


Figure 1. All three Switch Latch and Timer models feature a Timer Setting dial and a Control Mode bar.

#### Timed Seconds Mode S

This mode keeps a toy or appliance on for 1 to 60 seconds with a single activation of the switch. The toy or appliance automatically turns off when the preset number of seconds has elapsed, even if the individual continues to activate the switch. To reactivate the appliance, the individual must activate the switch a second time. To select the timed seconds mode, move the Control Mode switch on the Switch Latch and Timer to "Timed Sec." and turn the Timer Setting dial to the number of seconds you want the device to remain on.

9. Have the user activate their switch.	In latch mode one activation of the switch turns device on, second activation turns it off. In either timed mode one activation of the switch turns the device on, device turns off automatically at preset time even if the user is still activating the switch. With a Choice SLAT, once one appliance has been activated the other will not function until the first one turns off.
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## Trouble-shooting

If the equipment fails to operate after you have read the instructions, check the following:

### 1. Check all the cord and jack connections to make sure they are properly connected and firmly in place.

#### A. Switch Latch and Timers

1. Is your switch plugged into one of the “switch” input jacks on the SLAT?
2. Are the cable connections correct: “Switch 1” will only activate the toy or appliance connected to “Cable 1” and “Switch 2” to “Cable 2.”

#### B. Battery Device Adapters

1. Is the copper disc of the battery device adapter placed between the battery and the battery contact?
2. Is the copper disc making contact with (touching) the battery?
3. Is the copper disc making contact with (touching) the metal contact on the toy or appliance?

#### C. Electrical Control Units

1. Is the control unit plugged into the wall outlet?
2. Is the cable connected correctly to the control unit and the SLAT? Make sure cable is NOT plugged into one of the “switch” input jacks on the SLAT.

### 2. Make sure the toy or appliance on/off switch is turned on.

## Choice Switch Latch and Timer

The Choice SLAT has two switch inputs, enabling one individual to operate two devices in a choice-making activity. Once one appliance has been activated, the other will not function until the first one is turned off (latch mode) or until the preset time has elapsed (timed seconds or timed minutes mode).

The Choice Switch Latch and Timer is especially useful when teaching individuals to make choices between items.

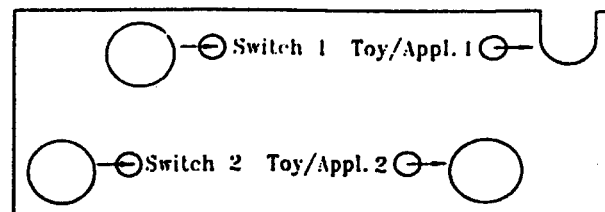


Figure 3. The Choice SLAT has two switch inputs to control two toys or appliances in a choice-making activity.

## Dual Switch Latch and Timer

Two switch inputs enable two individuals to independently operate a separate toy or appliance at the same time. The Dual SLAT can also be used to operate one toy or appliance using one switch. **IMPORTANT NOTE FOR DUAL MODEL USERS:** The two switches and appliances will operate in the same mode of control.

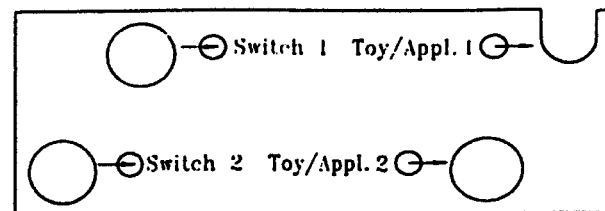


Figure 4. The Dual SLAT has two switch inputs to control two toys or appliances.

Note: To provide the **timed minutes, timed seconds or latch mode** of control for electrical devices, the Switch Latch and Timer must be connected to an AbleNet or other standard control unit. **Always set the control unit to the direct mode of control.**

**Single SLAT Set Up With Electrical Control Units:**

What you do	Notes
1. Plug the switch into the Switch Latch and Timer input jack located on the top and marked "Switch."	The Switch Latch and Timer accepts a 1/8 inch (3.5 mm) plug or pigtail. If your switch does not have a 1/8 inch plug, you will need to use a pigtail adapter with your switch. Pigtails are available from AbleNet and most electronics stores.
2. Plug the Switch Latch and Timer into the control unit input jack.	The input jack is located in the upper left hand quadrant on the face of AbleNet's control unit.
3. Plug the control unit into a 120 volt, grounded electrical outlet.	
4. Plug the toy or appliance into the electrical outlet on your control unit.	
5. Make sure the on/off switch on the toy or appliance is set to the "on" or "play" position.	
6. Set the control unit to the direct mode of control.	
7. Choose timed minutes or latch mode of control on the Switch Latch and Timer.	If using latch mode, set the Control Mode bar on the Switch Latch and Timer to "Latch." If using the timed minutes mode set the Control Mode bar to timed minutes and turn the dial to the number of minutes you want the device to remain on.
8. Have the user activate the switch.	In latch mode one activation of the switch turns device on, second activation turns it off. In timed minutes mode one activation of the switch turns the device on, device turns off automatically at preset time even if the user is still activating the switch.

**Single SLAT Set Up With Battery-Operated Toys and Appliances:**

**Important Note:** If the toy or appliance is already adapted, begin set up at Step 3.

What you do	Notes
1. Adapt your battery-operated toy or appliance by placing the copper disc of the battery device adapter (BDA) between the battery and the battery contact in the toy or appliance.	If necessary, notch a groove in the lid of the battery compartment to prevent pinching of the battery device adapter wire. For additional information about adapting battery toys or appliances, call AbleNet at 1-800-322-0956.
2. Close or secure the battery compartment lid on the toy or appliance.	
3. Plug a single switch into the Switch Latch and Timer input jack located on the top and marked "Switch."	The Switch Latch and Timer accepts a 1/8 inch (3.5 mm) plug. If your switch does not have a 1/8 inch plug, you will need to use a pigtail adapter with your switch. Pigtails are available from AbleNet and most electronics stores.
4. Plug the Switch Latch and Timer into the battery device adapter, or into the switch input jack if using a toy or appliance adapted by a manufacturer.	
5. Make sure the on/off switch on your toy or appliance is set to the "on" or "play" position.	
6. Choose a mode of control.	If using latch mode, set the Control Mode bar on the Switch Latch and Timer to "latch." If using either timed mode set the Control Mode bar to either timed seconds or timed minutes and turn the dial to the number of seconds or minutes you want the device to remain on.
7. Have the user activate the switch.	In latch mode one activation of the switch turns device on, second activation turns it off. In either timed mode one activation of the switch turns the device on, device turns off automatically at preset time even if the user is still activating the switch.

## Dual/Choice SLAT Set Up With Battery-Operated Toys and Appliances:

**Important Note:** If the toy or appliance is already adapted, begin set up at Step 3.

What you do	Notes
1. Adapt your battery-operated toy or appliance by placing the copper disc of the battery device adapter (BDA) between the battery and the battery contact in the toy or appliance.	If necessary, notch a groove in the lid of the battery compartment to prevent pinching of the battery device adapter wire. For additional information about adapting battery toys or appliances, call AbleNet at 1-800-322-0956.
2. Close or secure the battery compartment lid on the toy or appliance.	
3. Plug two switches into the Switch Latch and Timer input jacks located on the top and marked "Switch 1" and "Switch 2."	The Switch Latch and Timer accepts switches with a 1/8 inch (3.5 mm) plug. If your switch does not have a 1/8 inch plug, you will need to use a pigtail adapter with your switch. Pigtails are available from AbleNet and most electronics stores.
4. Plug the Switch Latch and Timer into one of the battery device adapters, or into the switch input jack if using a toy or appliance adapted by a manufacturer. To connect a second toy or appliance, insert one end of the cable that comes with your SLAT into the jack marked "Cable 2," then plug the other end of that cable into the battery device adapter (or switch input jack) for that toy or appliance.	Depending upon the activity, both the Dual and Choice SLATs can be used with only one switch and appliance.
5. Make sure the on/off switches on your toys or appliances are set to the "on" or "play" position.	

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6. Choose a mode of control.	If using latch mode, set the Control Mode bar on the Switch Latch and Timer to "latch." If using either timed mode set the Control Mode bar to either timed seconds or timed minutes and turn the dial to the number of seconds or minutes you want the device to remain on. <b>When using a Dual or Choice Switch Latch and Timer, both connected devices will operate in the same mode of control.</b>
7. Have the users activate the switches.	In latch mode one activation of the switch turns device on, second activation turns it off. In either timed mode one activation of the switch turns the device on, device turns off automatically at preset time even if the user is still activating the switch. With a Dual SLAT, both switches may be activated at the same time. With a Choice SLAT, once one appliance has been activated the other will not function until the first one turns off.

## How to Set Up and Use the Switch Latch and Timer With Electrical Control Units

There are two situations when you may choose to use a Switch Latch and Timer with an electrical control unit:

1. If your control unit does not have the timed minutes or latch modes of control.
2. If one of the toys or appliances used during a choice-making activity is electrically-operated.

To set up and operate an electrically-operated toy or appliance in the timed minutes or latch mode, or to use an electrically-operated toy or appliance as part of a choice-making activity, you will need the following:

- Single, Dual or Choice Switch Latch and Timer with 9-volt alkaline battery inserted (see Battery Information section).
- Electrical control unit
- Single switch with 1/8 inch (3.5 mm) plug or pigtail (may use two switches with the Dual or Choice models)

## Battery Information

The Switch Latch and Timer uses a 9-volt alkaline battery, not included. To install the battery, simply slide open the battery compartment on the back side of the case and insert the battery. Be sure to connect the positive (+) and negative (-) leads to the corresponding terminals indicated on the battery.

### Indications of a Low Battery

The Switch Latch and Timer has been designed to indicate when its battery needs to be changed. When a switch is activated, the Switch Latch and Timer will turn any connected toy or appliance on for a brief moment and immediately turn it off. The toy or appliance will not stay on, regardless of the mode of control selected. After replacing the battery, the Switch Latch and Timer will function normally.

## How to Set Up and Use the Switch Latch and Timer (SLAT) With Battery-Operated Toys and Appliances

To set up and operate a battery-operated toy(s) or appliance(s), you will need the following:

- Single, Dual or Choice Switch Latch and Timer with 9-volt alkaline battery inserted (see Battery Information section).
- Battery device adapter (not required if the toy or appliance is already adapted).
- Single switch with 1/8 inch (3.5 mm) plug or pigtail (may use two switches with the Dual and Choice models)

## Choice SLAT Set Up with Electrical Control Units:

What you do	Notes
1. Plug the switches into the Switch Latch and Timer input jacks located on the top and marked "Switch 1" and "Switch 2."	The Switch Latch and Timer accepts a 1/8 inch (3.5 mm) plug or pigtail. If your switch does not have a 1/8 inch plug, you will need to use a pigtail adapter with your switch. Pigtails are available from AbleNet and most electronics stores.
2. Plug the Switch Latch and Timer into the control unit input jack.	The input jack is located in the upper left hand quadrant on the face of AbleNet's control unit.
3. To connect a second toy or appliance, insert one end of the cable that comes with your SLAT into the jack marked "Cable 2," then plug the other end of that cable into a second control unit or a battery device adapter if using a battery-operated toy or appliance.	
4. Plug the control unit(s) into a 120 volt, grounded electrical outlet.	
5. Plug the toy(s) or appliance(s) into the electrical outlet on your control unit(s).	
6. Make sure the on/off switch on the toy(s) or appliance(s) are set to the "on" or "play" position.	
7. Set the control unit(s) to the direct mode of control.	
8. Choose a mode of control on the Switch Latch and Timer.	If using latch mode, set the Control Mode bar on the Switch Latch and Timer to "latch." If using either timed mode set the Control Mode bar to either timed seconds or timed minutes and turn the dial to the number of seconds or minutes you want the device to remain on. <b>When using a Choice Switch Latch and Timer, both connected devices will operate in the same mode of control.</b>

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Timed seconds mode examples: Use to activate toys or appliances that you wish to run for less than 60 seconds, such as a battery-operated pencil sharpener to help in a classroom or a battery-operated game to participate in a leisure activity with family or friends.

### Timed Minutes Mode **(M)**

This mode keeps a toy or appliance on for 1 to 60 minutes with a single activation of the switch. The toy or appliance automatically turns off when the preset number of minutes has elapsed, even if the individual continues to activate the switch. To reactivate the appliance, the individual must activate the switch a second time. To select the timed minutes mode, move the Control Mode switch on the Switch Latch and Timer to “Timed Min.” and turn the Timer Setting dial to the number of minutes you want the device to remain on.

Timed minutes mode examples: Activate a battery-operated cassette player to listen to a favorite tape, or use with any battery-operated device that you wish to run for up to 60 minutes.

### Latch Mode **(L)**

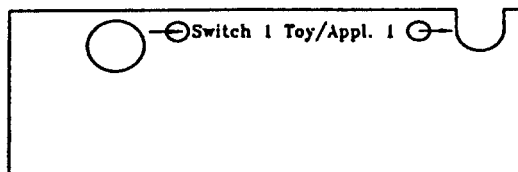
In the latch mode, one activation of the switch turns the appliance on and the second activation turns the appliance off. To select the latch mode, turn the Control Mode bar on the Switch Latch and Timer to “Latch.”

Latch mode examples: Use the latch mode with a radio, a fan or other appliances that need to remain on for an extended time.

## Model Descriptions

### Single Switch Latch and Timer

This model enables you to connect one switch and operate one toy or appliance in one of the three modes of control (see Modes of Control section).



**Figure 2.** The Single SLAT has one switch input to control one toy or appliance.

### 3. Make sure the 9-volt alkaline battery is properly connected and charged.

A. If the battery is low, any connected toy or appliance will turn on for a brief moment and immediately turn off when activated by the Switch Latch and Timer. Replace the battery to resume normal operation.

B. If the battery dies during use, the SLAT will no longer function. Replace the battery to resume normal operation.

### 4. Check that the Switch Latch and Timer is set in the mode of control you want to use.

### 5. Check each of the following items one at a time by connecting them to another system you know works.

- the switches
- the battery device adapter(s)
- the control unit

### 6. Check the toy or appliance to make sure it works independently of the Switch Latch and Timer.

If the Switch Latch and Timer still fails to operate, call AbleNet toll-free for assistance at 1-800-322-0956. **DO NOT OPEN THE SWITCH LATCH AND TIMER.**

## Safety Tips

1. Read the instructions for all toys and appliances before using them.
2. Use caution when placing any appliance near a user, especially those that have moving parts or generate heat, such as mixers and light bulbs.
3. Keep the floor clear of cords to avoid trips and falls, and to prevent the control unit, toy or appliance from being pulled to the floor. Position all cords near the wall. Always keep cords out of the reach of children.
4. Do not immerse the Switch Latch and Timer, control unit or any toy or appliance in water or place them where they may get wet.

## AbleNet, Inc. Repair Information

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All AbleNet manufactured products are warrantied for one full year from the date of purchase. If documentation identifying the date of purchase is not supplied, the warranty period will be determined as one year from the manufacture date stamped inside the product.

All products under warranty are repaired free of charge. Products no longer covered by warranty may be repaired for a nominal fee. All repairs are warrantied for 90 days. Before sending in a product for repair, please contact an AbleNet customer service representative for the Return Authorization Number (RA#) and repair charge, if applicable.

**To have a product repaired please include the following with your product:**

- Name and phone number
- RA#
- Return shipping address
- Brief description of problem (what the product is or isn't doing along with what has already been done to correct the problem)
- Documentation that shows the purchase date (i.e., copy of packing slip, purchase order, or invoice)
- Check, money order, or purchase order for the amount of the repair

**Call 1-800-322-0956 for a Return Authorization Number**

Please read this manual completely before setting up your Switch Latch and Timer, and keep it for future reference. We welcome your comments and suggestions regarding this and any of the other AbleNet products, literature and services.