

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [Westinghouse](#) /

› [Westinghouse ST Switch Smart Portable Automatic Transfer Technology Instruction Manual](#)

Westinghouse ST Switch

Westinghouse ST Switch Instruction Manual

Model: ST Switch

Brand: Westinghouse

INTRODUCTION

The Westinghouse ST Switch is a smart portable automatic transfer switch designed to provide a cost-effective home backup power solution. It automatically transfers power from your portable generator when utility power is lost, ensuring essential appliances remain operational. This innovative device is exclusive to Smart Switch Ready Westinghouse Portable Generators.

The ST Switch is compact, lightweight, and requires no electrician for installation, making it a convenient do-it-yourself solution for managing power during outages. It also features a battery maintenance function, keeping your generator's battery charged while connected to utility power.

SAFETY INFORMATION

Always read and understand the complete user manual before operating the Westinghouse ST Switch. Adhere to all safety warnings and instructions to prevent injury or damage.

- Do not operate the ST Switch outdoors in wet conditions. The unit is designed for indoor use or in a protected, dry environment.
- Ensure the connected generator is placed in a well-ventilated area, at least 20 feet from any windows or doors, to prevent carbon monoxide buildup.
- Only use the ST Switch with compatible Westinghouse Portable Generators featuring a Smart Switch Ready outlet. Refer to your generator's manual for compatibility.
- Always ensure all connections are secure before operation.

PACKAGE CONTENTS

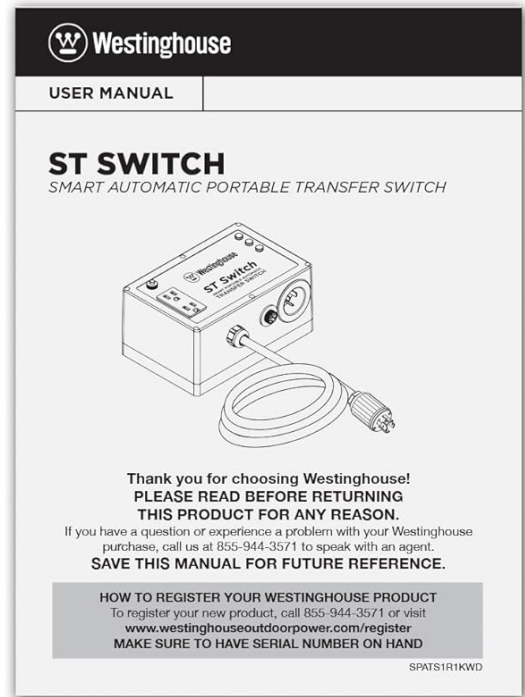
Your Westinghouse ST Switch package includes the following items:

- ST Switch with Built-in 25 ft. L14-30P Power Cord
- User Manual
- 25 ft. Generator to ST Switch Control Cable

EVERYTHING IT COMES WITH



**ST SWITCH WITH
BUILT-IN 25 FT. L14-30P
POWER CORD**



USER MANUAL



**25 FT. GENERATOR
TO ST SWITCH
CONTROL CABLE**

Figure 1: Contents of the Westinghouse ST Switch package, including the main unit, user manual, and control cable.

SETUP GUIDE

The ST Switch is designed for easy, do-it-yourself installation. Follow these steps for proper setup:

HOW IT WORKS

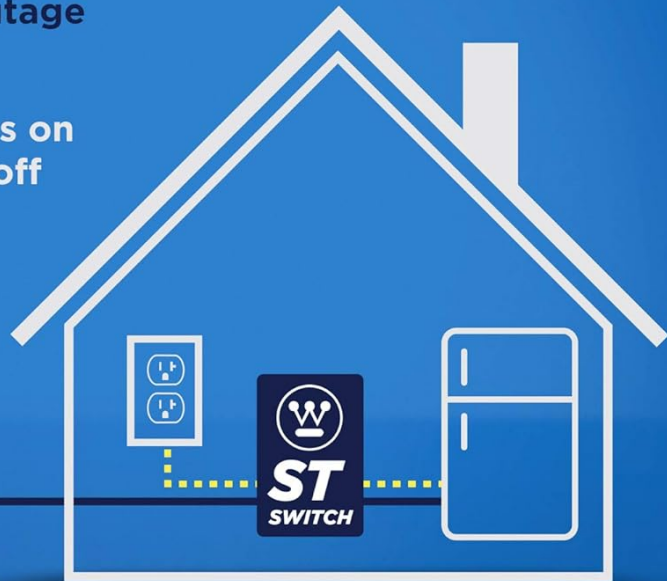


.....
Flow of utility power in home from normal usage



Automatic flow of power from generator during an outage

Generator automatically turns on during power loss and turns off when home power returns



***Only works with Smart Switch Ready Westinghouse Portable Generators. Generator and extension cord not included.**

Figure 2: Visual representation of how the ST Switch integrates with your home and generator.

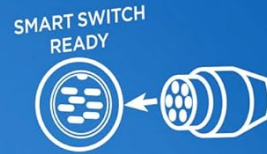
EASY DIY SETUP



1 Place generator
~20 ft. from
home



2 Check breakers,
fuel and oil
levels



3 Plug control
cable to
generator



4 Plug L14-30P
cable to
generator



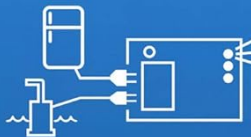
5 Put engine
control switch
to RUN



6 Plug extension
cord to ST Switch
and home



7 Plug control cable
to ST Switch



8 Plug appliances
to 120V outlets on
ST Switch



9 Test for success by
unplugging
extension cord

Figure 3: Detailed steps for setting up your ST Switch.

1. Place your compatible Westinghouse generator approximately 20 feet from your home.
2. Check your generator's breakers, fuel, and oil levels.
3. Plug the control cable into the generator's Smart Switch Ready outlet.
4. Plug the L14-30P power cord from the ST Switch into the generator.
5. Put the generator's engine control switch to the RUN position (standby mode).
6. Plug the extension cord from your home into the ST Switch's utility power input.
7. Plug the control cable into the ST Switch.
8. Plug essential appliances into the 120V outlets on the ST Switch.
9. Test for successful setup by temporarily unplugging the extension cord from the home outlet to simulate a power outage. The generator should start automatically.

Connections and Indicators

OUTLETS

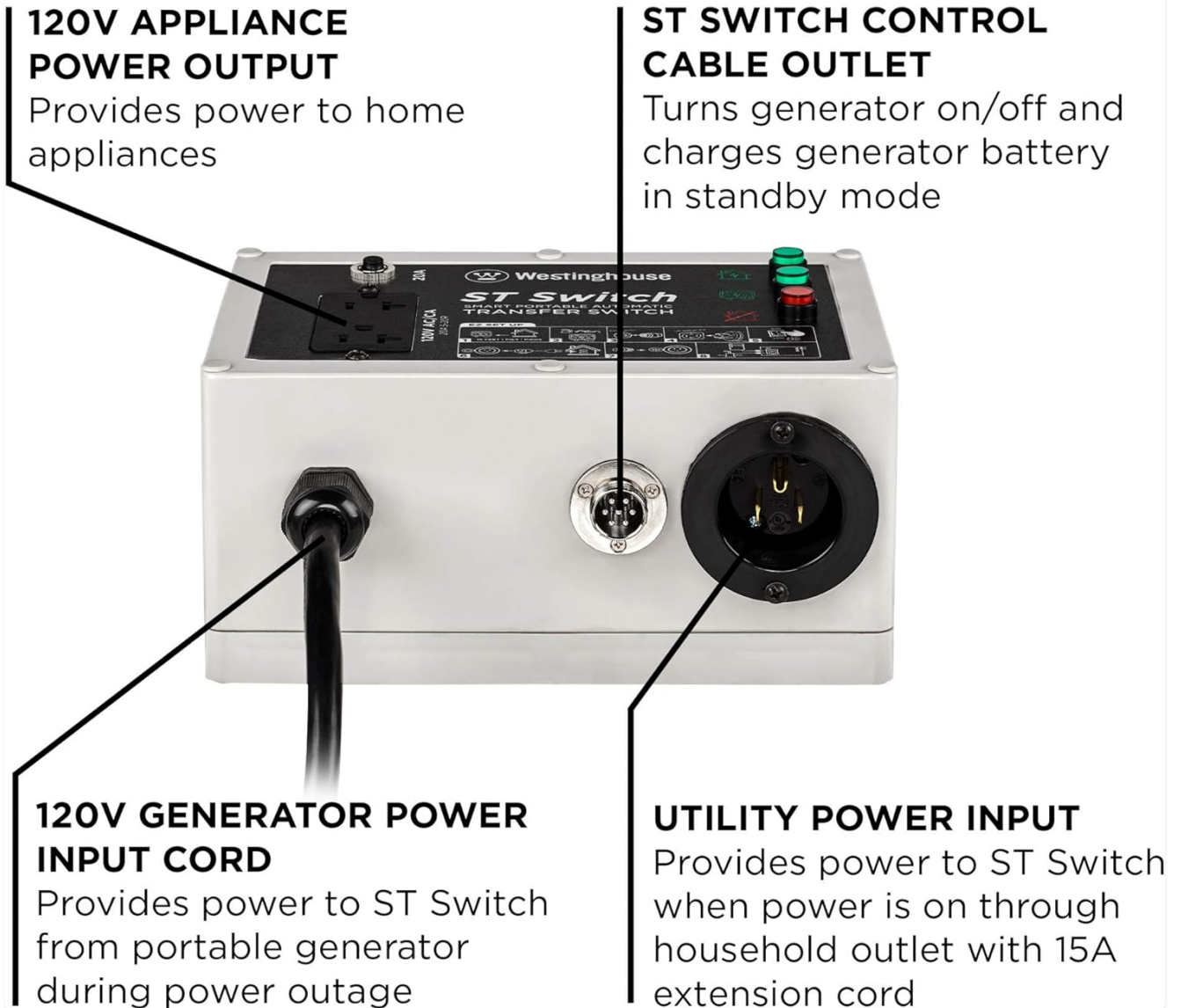


Figure 4: Overview of the ST Switch's power input and output ports.

- **120V Appliance Power Output:** Provides power to home appliances.
- **ST Switch Control Cable Outlet:** Turns the generator on/off and charges the generator battery in standby mode.
- **120V Generator Power Input Cord:** Provides power to the ST Switch from the portable generator during a power outage.
- **Utility Power Input:** Provides power to the ST Switch when power is on through a household outlet with a 15A extension cord.

INDICATOR LIGHTS

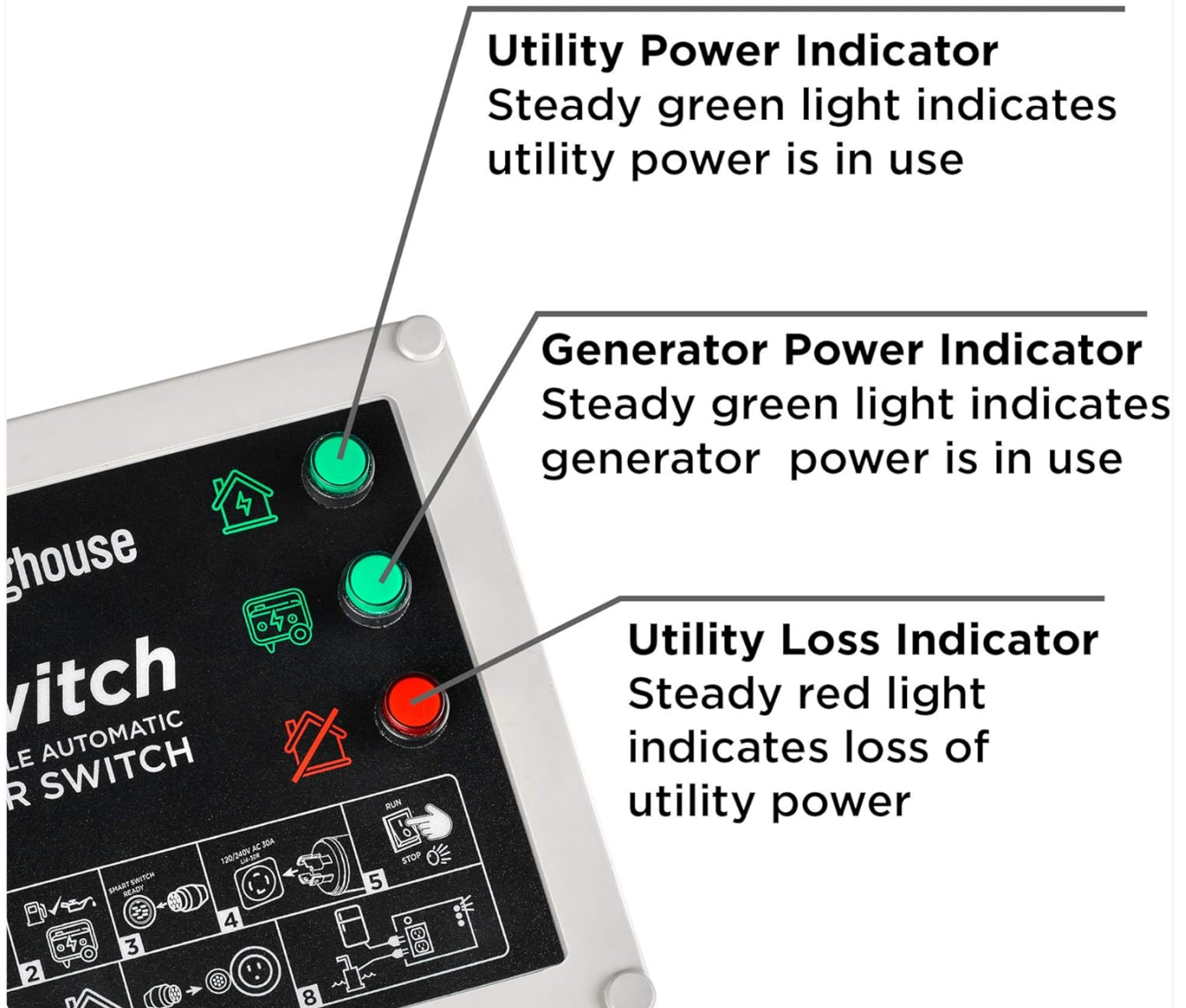


Figure 5: Explanation of the ST Switch's indicator lights.

- **Utility Power Indicator:** Steady green light indicates utility power is in use.
- **Generator Power Indicator:** Steady green light indicates generator power is in use.
- **Utility Loss Indicator:** Steady red light indicates loss of utility power.

OPERATING INSTRUCTIONS

The Westinghouse ST Switch provides seamless power transfer during outages. Here's how it operates:

HOW IT WORKS

DURING A POWER OUTAGE

Utility power on - ST Switch powers appliances through home outlet

Power outage - ST Switch detects loss of utility power to send signal to generator to start

Generator starts - ST Switch transfers input power from generator to keep appliances running

Utility power returns - ST Switch shuts down generator and transfers utility power back to appliances

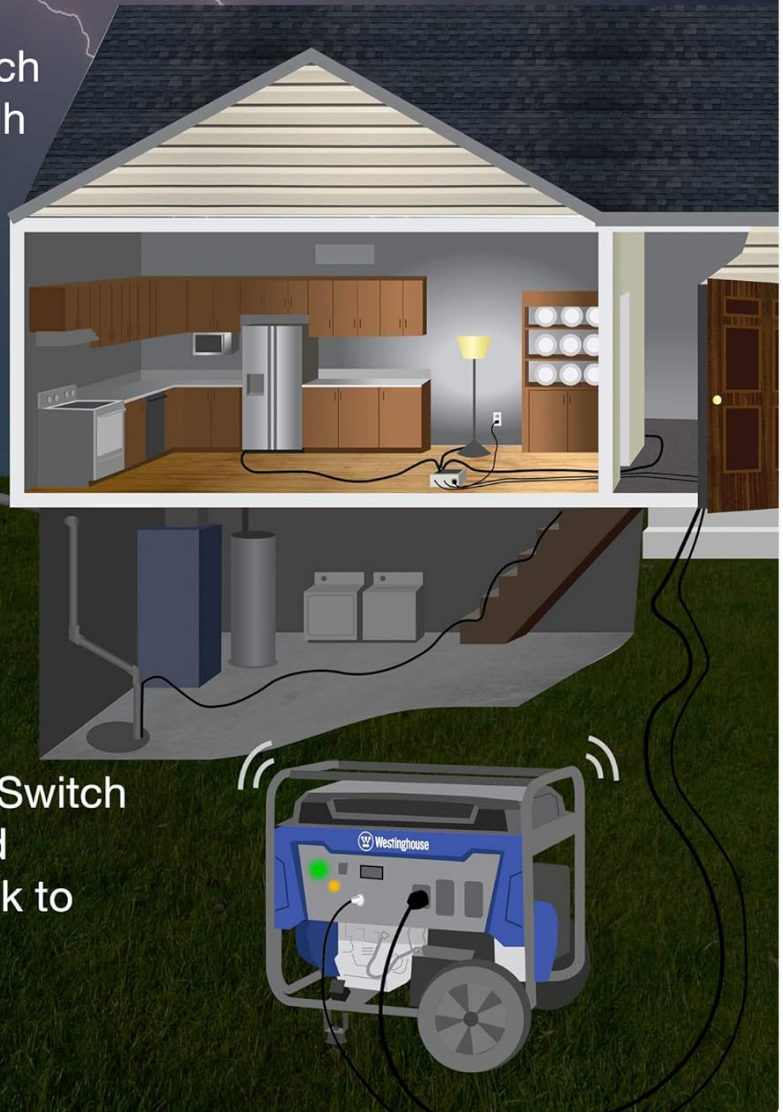


Figure 6: The sequence of events during a power outage with the ST Switch.

Power Outage Operation

- **Utility Power On:** The ST Switch powers connected appliances through the home outlet.
- **Power Outage:** The ST Switch detects a loss of utility power and sends a signal to the generator to start.
- **Generator Starts:** The ST Switch transfers input power from the generator to keep appliances running.
- **Utility Power Returns:** The ST Switch shuts down the generator (after a brief cool-down period) and transfers utility power back to the appliances.

Generator Compatibility

The ST Switch is specifically designed to work with Westinghouse Portable Generators featuring a Smart Switch Ready outlet. Compatible models include:

- WGen5300
- WGen7500
- WGen7500DF
- WGen9500

- WGen9500DF
- WGen12000
- WGen12000DF

MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your Westinghouse ST Switch.

- **Battery Maintenance:** The ST Switch includes a battery maintainer feature that keeps the connected generator's battery charged while utility power is available. This eliminates the need for a separate battery tender.
- **Cleaning:** Keep the unit clean and free from dust, dirt, and debris. Use a soft, dry cloth for cleaning.
- **Storage:** When not in use for extended periods, store the ST Switch in a dry, protected indoor environment.
- **Connection Inspection:** Periodically inspect all cables and connections for any signs of wear, fraying, or damage. Replace any damaged components immediately.

TROUBLESHOOTING

If you encounter issues with your Westinghouse ST Switch, refer to the following common problems and solutions:

- **Issue: Generator does not start automatically when utility power is lost.**
 - *Solution:* Verify that the ST Switch is properly connected to both the utility outlet and the generator's Smart Switch Ready outlet.
 - *Solution:* Ensure the generator is in the correct standby/run mode as specified in its manual.
 - *Solution:* Check the generator's fuel and oil levels.
 - *Solution:* If the issue persists, some generator models may require a firmware update or control module replacement. Contact Westinghouse support for assistance.
- **Issue: Indicator lights on the ST Switch are not functioning as expected.**
 - *Solution:* Check all power connections to ensure they are secure and receiving power.
 - *Solution:* Ensure the utility power input is active and the unit is receiving power from the wall outlet.

SPECIFICATIONS

Feature	Detail
Brand	Westinghouse
Model	ST Switch
Operation Mode	Automatic
Current Rating	20 Amps
Operating Voltage	120 Volts
Wattage	2400 watts
Product Dimensions (L x W x H)	5 x 10 x 8 inches
Item Weight	9 pounds

Feature	Detail
Connectivity Protocol	Wi-Fi
Contact Material	Copper, Brass
Country of Origin	China

Compatible Generators

The ST Switch is compatible with the following Westinghouse Portable Generators featuring a Smart Switch Ready outlet:

- WGen5300
- WGen7500
- WGen7500DF
- WGen9500
- WGen9500DF
- WGen12000
- WGen12000DF

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or service inquiries, please refer to the official Westinghouse user manual provided with your product or contact Westinghouse directly.

User Manual (PDF): [Download PDF](#)

Customer Support: 1-855-944-3571

You can also visit the official Westinghouse Outdoor Power Equipment website for additional resources and support.