

# AI-01797 Home Assistant Samsung SmartThings Setup

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## How to add Samsung SmartThings to Home Assistant

Integrating Samsung SmartThings with Home Assistant allows you to control your SmartThings devices and leverage Home Assistant's advanced automation capabilities. Here's a step-by-step guide:

Prerequisites:

- **Samsung Account:** You need a Samsung account with your SmartThings devices connected and set up in the SmartThings app.
- **Home Assistant Instance:** A running Home Assistant instance that is accessible from the internet. This is crucial for SmartThings to send events to Home Assistant.
  - **Nabu Casa (Recommended):** The easiest way to achieve external access is by subscribing to Nabu Casa. It provides secure remote access and handles the necessary configurations automatically.
  - **Manual Remote Access:** If you don't use Nabu Casa, you'll need to set up remote access yourself using methods like DuckDNS, a reverse proxy (e.g., Nginx), and port forwarding on your router. This is more complex and requires a static IP address or a dynamic DNS service.

Steps to Add SmartThings to Home Assistant:

- **Generate a SmartThings Personal Access Token (PAT):**
  - Go to the SmartThings Developer Portal:  
<https://account.smartthings.com/tokens>
  - Log in with your Samsung account credentials.

- Click "Generate new token."
- Give your token a descriptive name (e.g., "Home Assistant").
- Select the following authorized scopes (permissions) for the token:
  - Devices (all)
  - Installed Applications (all)
  - Apps (all)
  - Locations (all)
  - Scenes (all)
  - Schedules (all)
- Click "Generate token."
- IMPORTANT: Copy the generated token and save it somewhere secure immediately. You will not be able to retrieve it again after you close the window.
- Add the SmartThings Integration in Home Assistant:
  - Method 1: Auto-Discovery (if available)
    - Home Assistant might auto-discover your SmartThings instance. If it does, you'll see it listed as "Discovered" in Settings > Devices & Services. You can then click "Configure" to proceed.
  - Method 2: Manual Setup
    - Open your Home Assistant instance.
    - Go to Settings > Devices & Services.
    - In the bottom right corner, click the "Add Integration" button.
    - Search for "SmartThings" in the list and select it.
- Follow the On-Screen Instructions in Home Assistant:
  - Home Assistant will prompt you to provide information.
  - External URL: Ensure your Home Assistant's external URL (the URL it's accessible from the internet) is correctly configured and starts with

https://. If you're using Nabu Casa, this is handled automatically. If not, make sure your manual remote access is set up correctly. If the URL is incorrect, update it in your Home Assistant configuration, restart Home Assistant, and try again.

- Personal Access Token: Paste the SmartThings Personal Access Token you generated earlier.
- SmartThings Location: Select the SmartThings Location you want to add to Home Assistant.
- SmartThings Account Login: A new window will open, prompting you to log in with your SmartThings account (if you're not already logged in).
- Authorize Integration: Optionally change the display name and then select "Allow" to authorize the integration.
- Select "Close Window" or close it manually.
- Back in Home Assistant, select "Finish."

What to Expect After Integration:

- Home Assistant will now import your SmartThings devices as entities. This can include lights, switches, sensors, thermostats, and more.
- You'll be able to control these devices from Home Assistant, create automations that involve them, and view their states.
- The integration should support various capabilities, mapping them to appropriate Home Assistant entities (e.g., a thermostat device in SmartThings might become a climate entity in Home Assistant).

Troubleshooting Tips:

- Token Expiration: While newer integrations use an OAuth-based authentication flow that aims to eliminate manual token refreshing, older methods sometimes required token renewal. If you encounter issues, double-check your token's validity.
- Remote Access Issues: The most common problem is incorrect or absent remote access for your Home Assistant instance. SmartThings needs to be able to send webhooks to your Home Assistant.

- **Logs:** Check your Home Assistant logs for any errors related to the SmartThings integration. This can provide valuable clues for troubleshooting.
- **Reload Integration:** If devices aren't showing up or responding correctly, try reloading the SmartThings integration in Home Assistant (from Settings > Devices & Services, find SmartThings, and click the three dots for options).
- **Device Support:** While most common device types are supported, specific or niche devices might have limitations or require custom configurations. Refer to the Home Assistant SmartThings integration documentation for details on supported capabilities and how they map to entities.

By following these steps, you should be able to successfully integrate your Samsung SmartThings ecosystem with Home Assistant, opening up a world of possibilities for advanced smart home control and automation.