

SASE SHAM, INC.

Wireless AutoOff Guide

Wireless AutoOff Guide

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Introduction

This manual will guide you through the installation and use of Wireless AutoOff. Whether using it for personal use or corporate deployment you will find all necessary installation information below.

Wireless AutoOff works on Windows XP, Windows Vista, and Windows 7. It runs as a service does the following:

- There is only one mode (what would be Mode 2 in Wireless AutoSwitch).
- The application starts and finds all wireless cards and disables them, regardless of the machine being on LAN or not.
- There is a shortcut created under "Start Menu - Wireless AutoOff" called "Wireless On-Off" (during installation you can choose to have the shortcut created on the desktop as well).
- If the user is on the LAN and clicks this shortcut they get a message displayed that this is not allowed while on the LAN.
- If the user disconnects the LAN and clicks this shortcut then the wireless is enabled.
- The moment the LAN is reconnected the wireless is disabled.
- If the user is not on the LAN and wireless is enabled, clicking the shortcut will disable all wireless.

The unique thing is that the user doesn't have to be an admin of the machine. The application is installed as a service and runs under the local system account. Clicking the shortcut sends a signal to the service to do a particular action and the shortcut app can be run by a non-admin user.

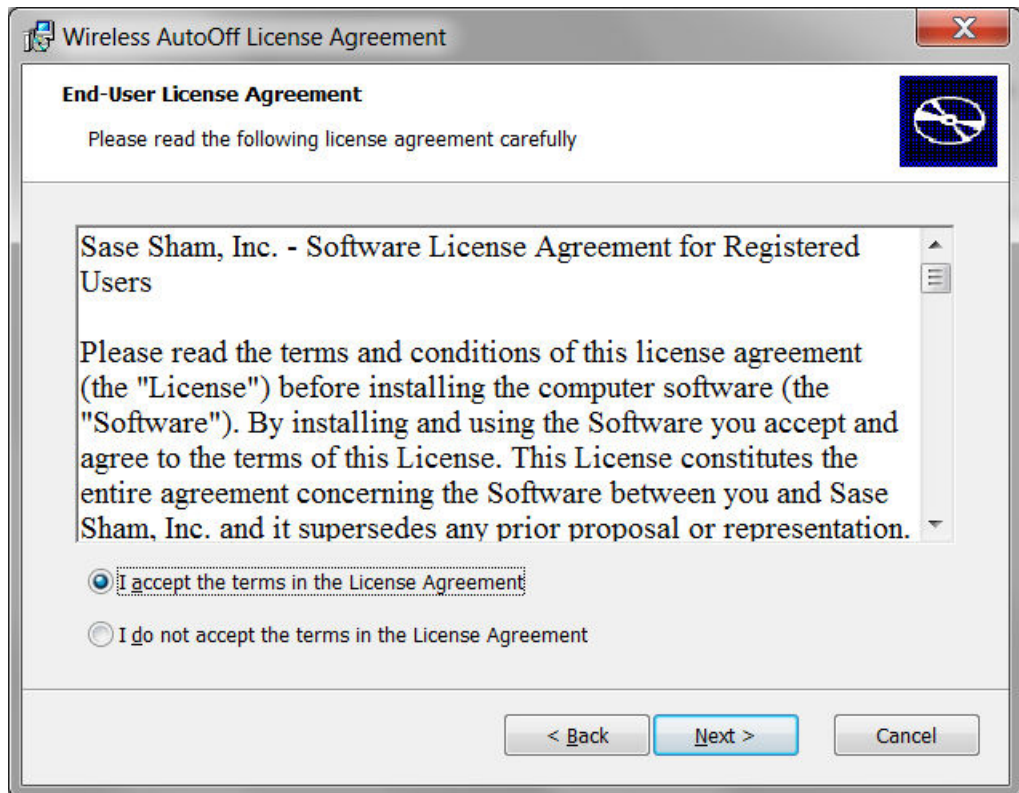
Basic Installation

For a basic installation all you need to do is run the downloaded msi and you will see the following dialog. Click **Next**.



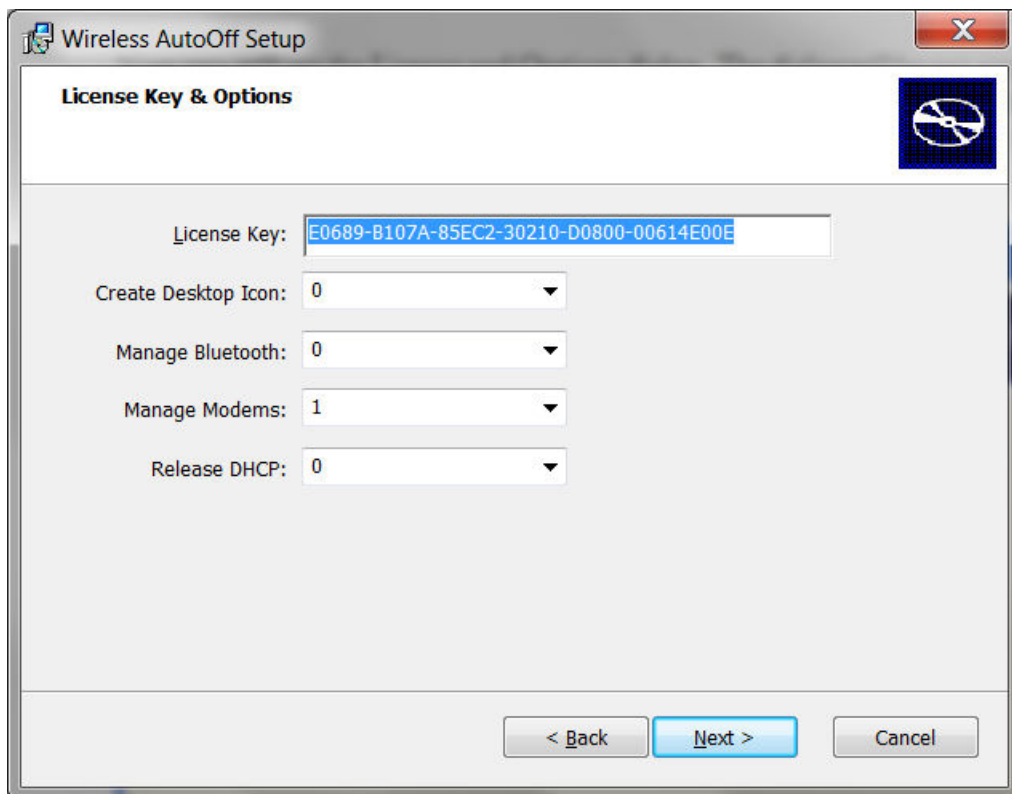
WIRELESS AUTOOFF GUIDE

Now you will see the License Agreement dialog. Read the license agreement and select “I accept the terms in the License Agreement” and click **Next**.



WIRELESS AUTOOFF GUIDE

Now you will see the License and Options dialog. The dialog will be pre populated with a default license key that will give you a 30 day trail of the application. If you have a permanent license key enter it. Choose the other options as desired. See options section below for information on the different options. Click **Next**.



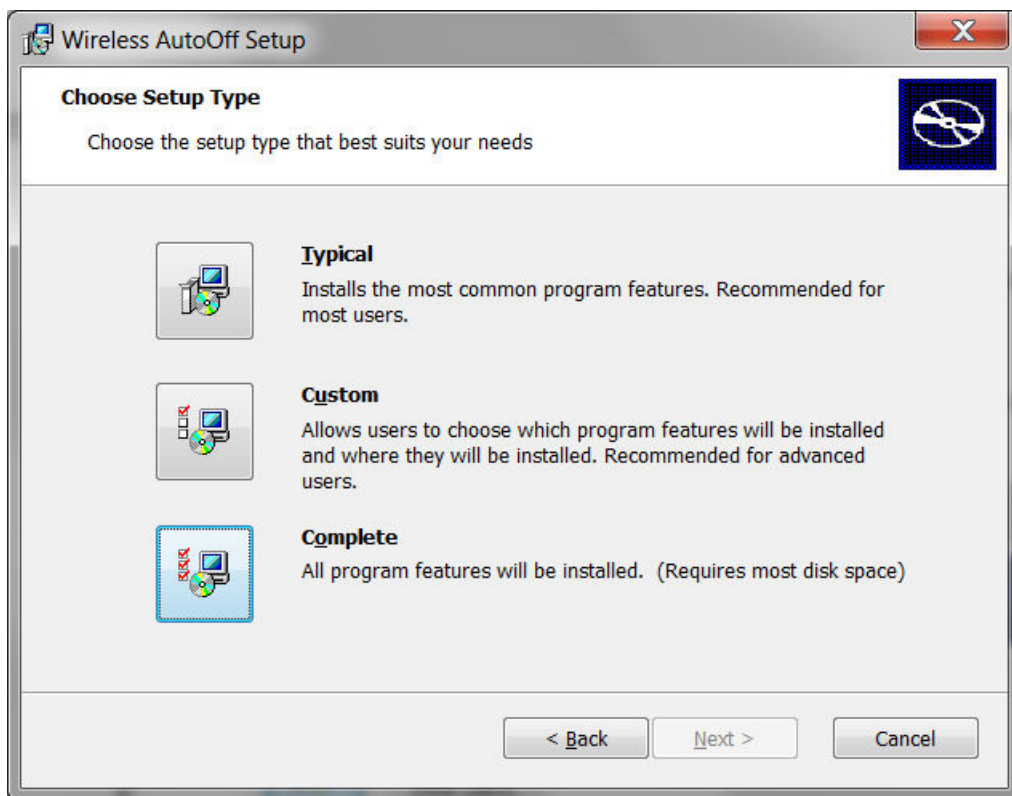
The image shows a Windows-style dialog box titled "Wireless AutoOff Setup". The dialog has a title bar with a close button (X) in the top right corner. Below the title bar, the text "License Key & Options" is displayed in a bold font. To the right of this text is a small blue icon with a white circle and a diagonal slash. The main area of the dialog contains four rows of settings, each with a label and a dropdown menu:

- License Key: E0689-B107A-85EC2-30210-D0800-00614E00E
- Create Desktop Icon: 0
- Manage Bluetooth: 0
- Manage Modems: 1
- Release DHCP: 0

At the bottom of the dialog, there are three buttons: "< Back" (disabled), "Next >" (highlighted in blue), and "Cancel" (disabled).

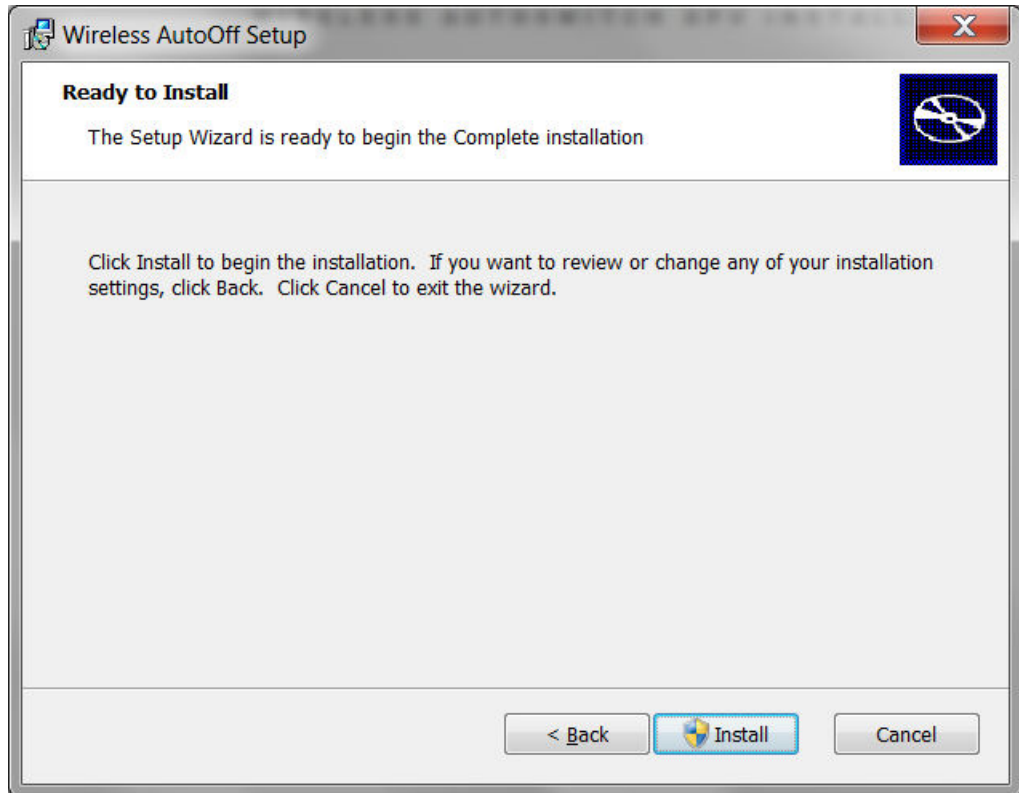
WIRELESS AUTOOFF GUIDE

You can now choose the setup type. Choose “Custom” if you wish to change the default installation path. Click **Next**.



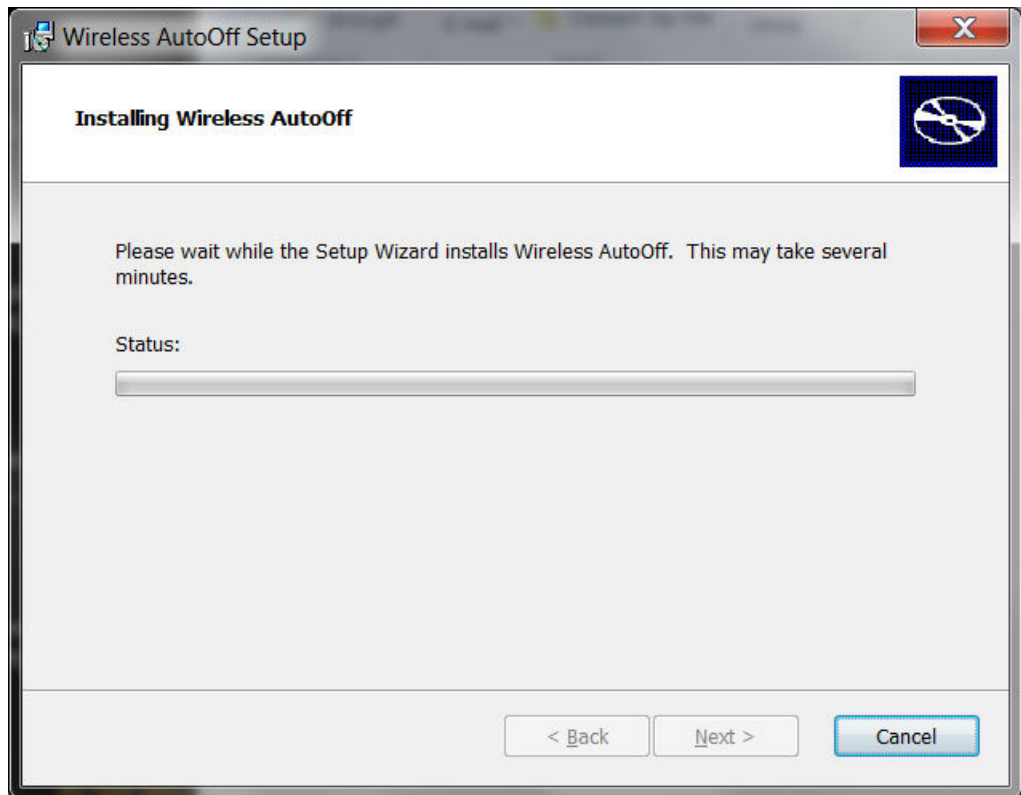
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Now the application is ready to be installed. Click “Install”.

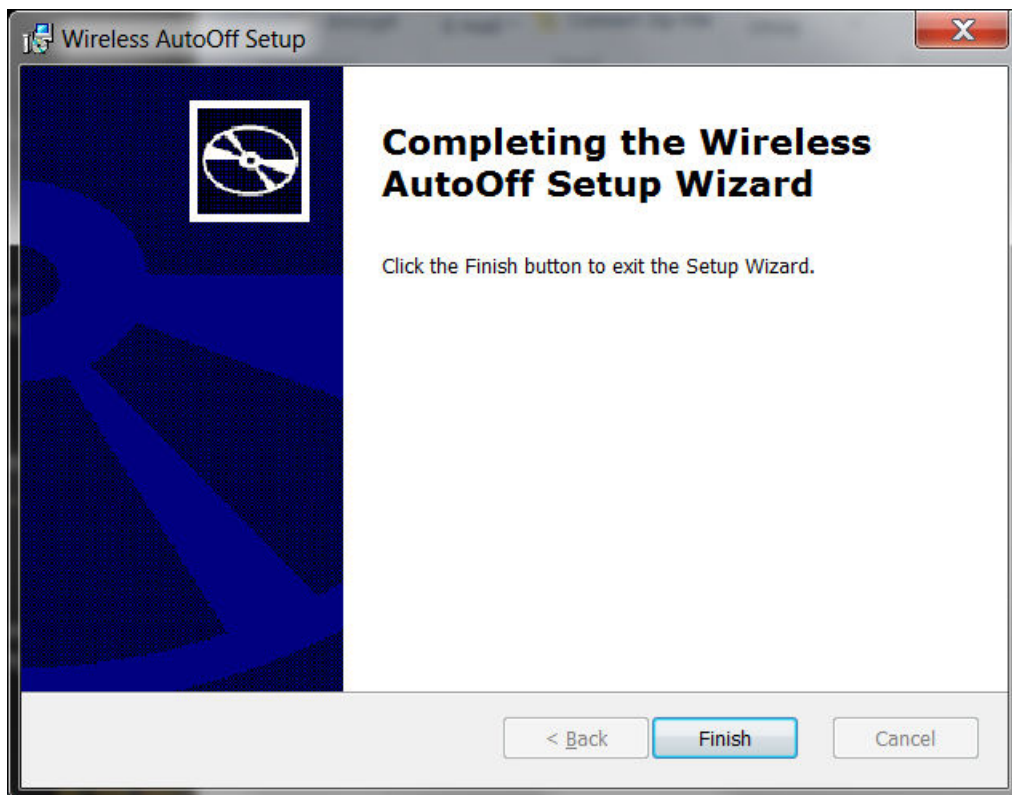


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Wireless AutoOff will now install.



Now you will see the Installation Complete dialog. Click **Finish**.



That is all you need to do for a basic installation. The application is installed and started immediately.

Basic Usage

Once Wireless AutoOff is installed it will work automatically. Test it for yourself:

Action to Perform	Result You will Observe
Install or start the service	All wireless are disabled
Disconnect your wired connection	Wireless stays disabled
Click the “Wireless On-Off” shortcut	Wireless is enabled
Click the shortcut again or connect LAN	Wireless is disabled

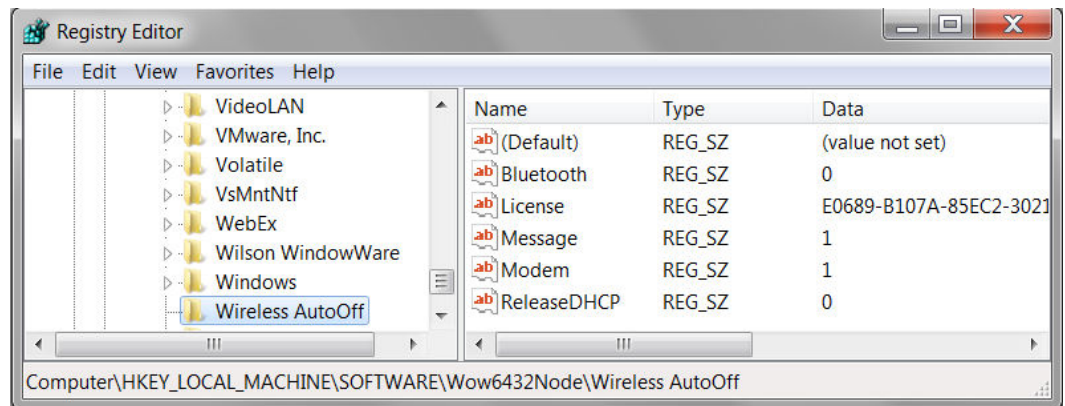
Changing Options Manually after Installation

All options and settings can be changed through the registry. Open regedit and navigate to HKEY_LOCAL_MACHINE\SOFTWARE\Wireless AutoOff.

On Windows 7 64 bit the location is:

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Wireless AutoOff

You can change the license key or any other options here by double clicking on the entry and entering a different value.



Options

Messages

You can choose how Wireless AutoOff handles error messages or no wireless card by choosing one of the following message settings:

- 0 = No message are displayed and if no wireless card the app dies (stops)
- 1 = Message are displayed and if no wireless card the app dies (default)
- 2 = No messages are displayed and if no wireless card re-scan every 1 - 2 minutes

This option can be set during installation with a command line like:

```
msiexec /i wirelessautooff.msi LICENSEKEY=33333333 MESSAGE=0 /q"
```

Or you can change the registry entry after the application is installed:

HKEY_LOCAL_MACHINE\SOFTWARE\Wireless AutoOff\Message

Bluetooth

You can have Wireless AutoOff enable/disable all Bluetooth devices when it enables/disables the Wifi cards. The settings are as follows:

- 0 = Bluetooth devices are not managed by Wireless AutoOff (default)
- 1 = Bluetooth devices are managed by Wireless AutoOff

This option can be set during installation with a command line like:
msiexec /i wirelessautooff.msi LICENSEKEY=333333333 MESSAGE=0
BLUETOOTH=1 /q"

Or you can change the registry entry after the application is installed:
HKEY_LOCAL_MACHINE\SOFTWARE\Wireless AutoOff\Bluetooth

Modems

You can have Wireless AutoOff enable/disable all Modem devices when it enables/disables the Wifi cards. This setting is needed to disable 3G/AirCards/Broadband cards as most are added to the system as a modem. The settings are as follows:

- 0 = Modems devices are not managed by Wireless AutoOff
- 1 = Modem devices are managed by Wireless AutoOff (default)

This option can be set during installation with a command line like:
msiexec /i wirelessAutoOff.msi LICENSEKEY=333333333 MESSAGE=0
BLUETOOTH=1 MODEM=0 /q"

Or you can change the registry entry after the application is installed:
HKEY_LOCAL_MACHINE\SOFTWARE\Wireless AutoOff\Modem

Release DHCP

You can have Wireless AutoOff issue a DHCP release for the wireless card just before the wireless card is disabled. The settings are as follows:

- 0 = Wireless card is disabled without any DHCP Release issued
- 1 = DHCP Release is issued just before the wireless card is disabled

This option can be set during installation with a command line like:
msiexec /i wirelessAutoOff.msi LICENSEKEY=333333333 MESSAGE=0
BLUETOOTH=1 DHCP=1/q"

Or you can change the registry entry after the application is installed:
HKEY_LOCAL_MACHINE\SOFTWARE\Wireless AutoOff\ReleaseDHCP

Note: This DHCP Release feature only comes into play when going from wireless to wired. We cannot tell when the LAN will be disconnected so we cannot do the same when going from wired to wireless. This was added to help free up IP addresses on the DHCP server.

Advanced Installation

For deployment of Wireless AutoOff across multiple machines you have a few options.

1. You could do a silent MSI Installation through a batch file, login script, SMS/SCCM or any other deployment tool using a command similar to:

```
msiexec /i "WirelessAutoOff.msi" LICENSEKEY=1111-1111-1111-1111 /q
```

You would specify the filename, license key and options in the command line.

2. You could create a transform file (MST) that would silently deploy Wireless AutoOff with the mode and license key. You can use this option for deployment through group policy.
3. If needed Sase Sham, Inc. could provide you a single MSI file that has no dialogs and is hard coded with the mode and your permanent license key.

What it Does

Wireless AutoOff is installed and runs as a service that is set to automatically start. If the user stops the Wireless AutoOff program, it will restart automatically on reboot.

The first thing it does is identify all wireless cards and then finds out if they are enabled or disabled. Then it disables all wireless devices.

At this point Wireless AutoOff is in a loop waiting the shortcut to send the trigger to enable all wireless. The shortcut will only create the trigger if there is no LAN.

If the trigger is sent, and there is no LAN then all wireless are turned on. If the shortcut is clicked again then all wireless will be disabled. Also if the LAN is connected then all wireless is disabled.

Wireless AutoOff will only enable or disable the wireless network cards and modems depending on the situation and nothing else. It does not establish the wired or wireless connections, Windows does that.

Include Wireless Network Adapters

Sometimes Wireless AutoOff doesn't recognize a card as a wireless device. To have Wireless AutoOff recognize it as wireless and enable/disable it on a LAN connection, create a file called "include.txt" in the installation directory (the default is C:\Program Files\Wireless AutoOff). Enter the name of the adapter to be included. You may enter as many adapters as you like, one per line in the text file.

Exclude Network Adapters

If you wish to exclude a network card from being monitored by Wireless AutoOff (as a LAN card), create a file called "exclude.txt" in the installation directory (the default is C:\Program Files\Wireless AutoOff). Enter the name of the adapter to be excluded. You may enter as many adapters as you like, one per line in the text file. This comes in handy if you have a virtual adapter that interferes with the normal operation of Wireless AutoOff.

Ignore Wireless Network Adapters

If you don't want Wireless AutoOff to enable/disable a particular wireless card then you can have Wireless AutoOff ignore this device. Create a file called "ignore.txt" in the installation directory (the default is C:\Program Files\Wireless AutoOff). Enter the name of the adapter to be ignored. You may enter as many adapters as you like, one per line in the text file.

Known Issues

You have to use Windows' built-in utility to manage the wireless card so, Windows Services: "Wireless Zero Configuration" in XP, "Wired AutoConfig" and "WLAN Autoconfig" in Vista and Windows 7, has to be enabled. If you are using the Linksys utility, for example, to manage wireless connections the card may not get disabled.

If there is a WMI issue on the machine where WMI cannot communicate with the network card Wireless AutoOff will not work. Wireless AutoOff uses WMI to identify which network card is the wireless one, if it can't identify a wireless card it quits.

Windows Vista has a bug where the wireless card may not get disabled by Wireless AutoOff unless there is an actual wireless connection (or the moment a connection is established). This is a know Vista bug as the method we are using in Vista to disable the wireless card was introduced with Windows Vista.

Other Products

There are three other similar products:

1. Wireless AutoSwitch XPV - Works on XP, Vista and Win7
2. Wireless AutoSwitch Vista - Works only on Windows Vista
3. Wireless AutoOff 10 - Works only on Windows XP

Support

Support is available through phone and/or email. Please don't hesitate to contact us with any questions or issues.

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