

# Securing Wireless Networks

This playbook outlines the steps necessary to secure a wireless network. It includes measures to protect against eavesdropping and unauthorized access, ensuring a safe and private wireless communication environment.

## Step 1: **Change Defaults**

Modify the default admin username and password of the wireless router to prevent unauthorized access.

## Step 2: **Enable Encryption**

Enable the highest level of encryption available (e.g., WPA3) on the wireless network to protect the data being transmitted over the air.

## Step 3: **SSID Management**

Change the Service Set Identifier (SSID) to a unique name that does not reveal the brand or model of the router, and disable SSID broadcasting to make the network less visible.

## Step 4: **Filter MAC Addresses**

Implement a MAC address filtering system to allow only recognized devices to connect to the wireless network.

## Step 5: **Update Firmware**

Regularly check and update the router's firmware to patch known vulnerabilities and improve security features.

## Step 6: **Disable WPS**

Turn off Wi-Fi Protected Setup (WPS) as it can be a security vulnerability due to certain flaws in its design.

## Step 7: **Disable Remote Access**

Disable remote access to the router's settings to ensure that configuration changes can only be made from a connection to the network itself, not from the internet at large.

## Step 8: **Regular Audits**

Conduct regular security audits to check for any unauthorized devices on the network and to ensure security features remain properly configured.

# **General Notes**

## **Network Security**

Securing a wireless network requires ongoing vigilance as new vulnerabilities can emerge. Regular updates and revisiting these security practices is recommended.

## Backup Settings

Before making changes to the router settings, ensure you backup the current configuration to expedite recovery in case of any misconfiguration.

Powered by: [PlaybookWriter.com](https://playbookwriter.com)