

Set up WPA Wireless Security on a Cisco Small Business VoIP Router

Document ID: 108668

Contents

Introduction How do I set up WPA Wireless Security on a Cisco Small Business VoIP Router?**Related Information**

Introduction

This article is one in a series to assist in the setup, troubleshooting, and maintenance of Cisco Small Business products.

Q. How do I set up WPA Wireless Security on a Cisco Small Business VoIP Router?

A.

The *Wi-Fi Protected Access (WPA)* is a Wi-Fi standard that was designed in order to improve the security features of WEP. WPA is stronger than WEP encryption. PSK and PSK2 are types of WPA with two encryption methods, Temporal Key Integrity Protocol (TKIP) that incorporates Message Integrity Code (MIC) in order to provide protection against hackers, and Advanced Encryption System (AES) that utilizes a symmetric 128-Bit block data encryption.

In order to set up WPA Wireless Security on your Cisco Small Business VoIP router, complete these steps:

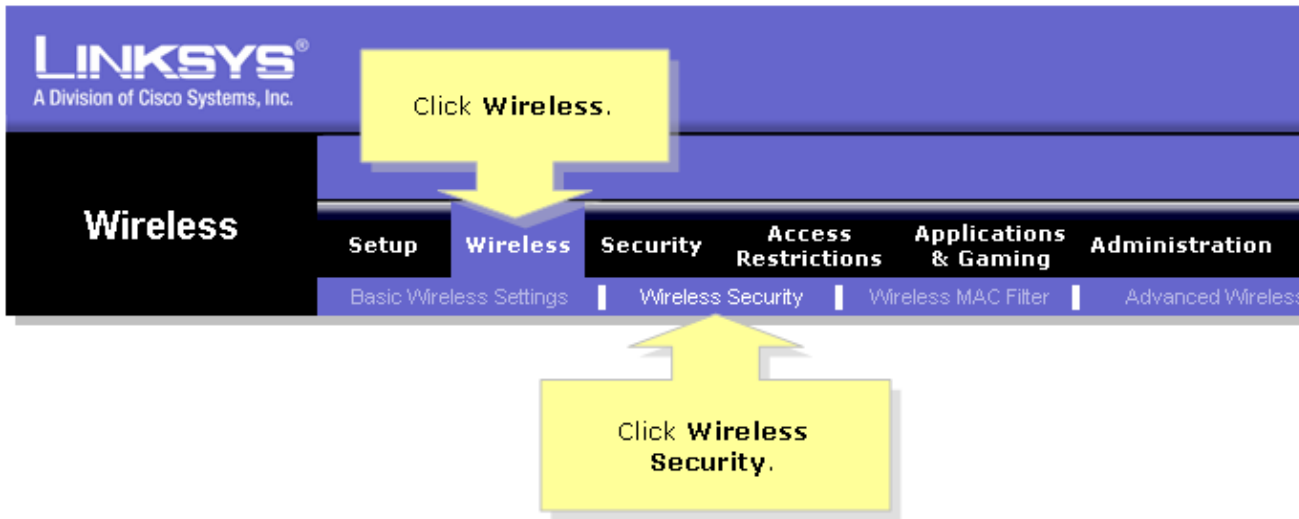
Set up the Cisco Small Business VoIP Router in order to use WPA

Step 1:

Access the router's web-based setup page. For instructions, click [here](#).

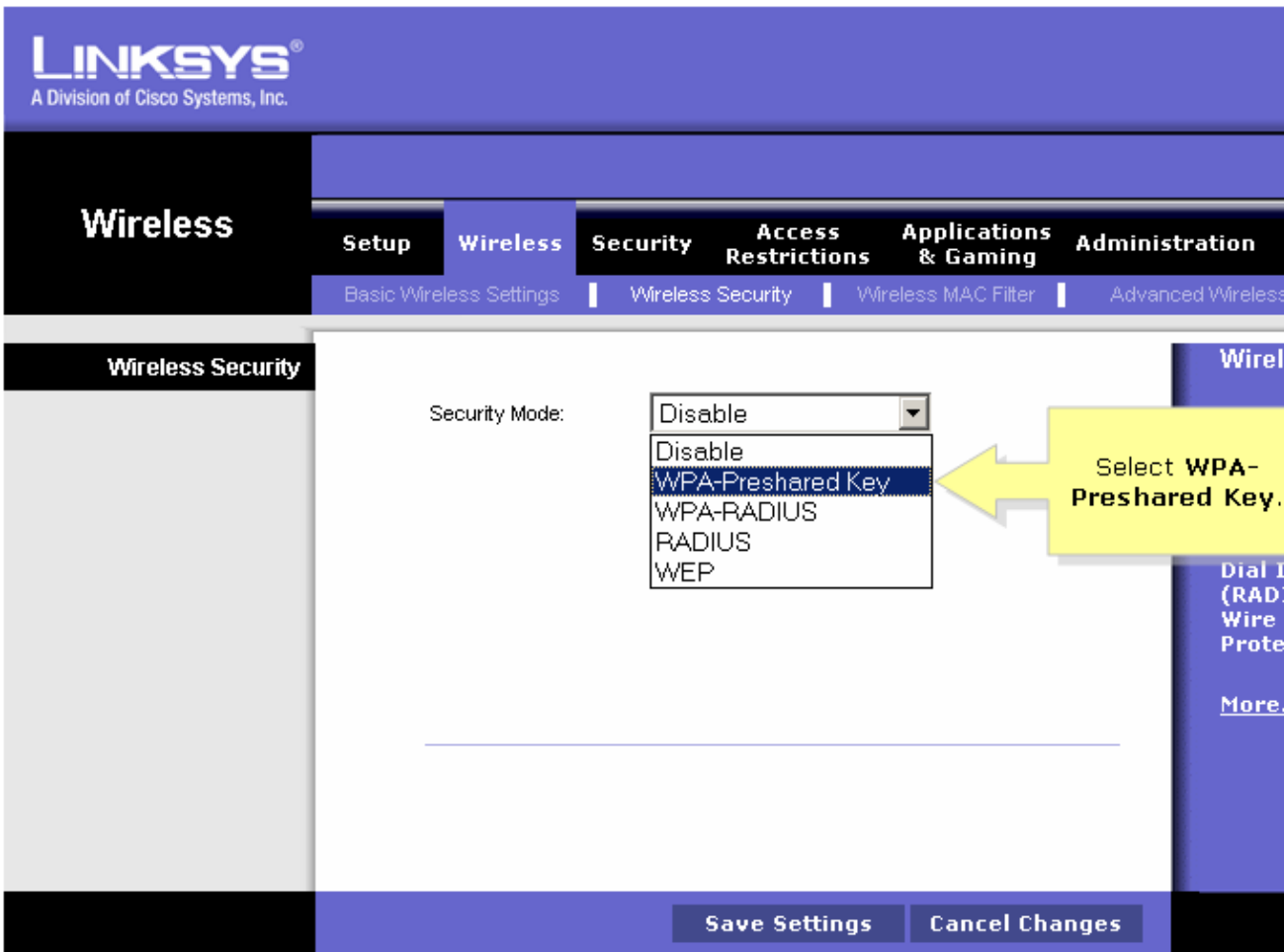
Step 2:

When the router's web-based setup page appears, click **Wireless > Wireless Security**.



Step 3:

Look for *Security Mode*, and select *WPA-Preshared Key*.



Step 4:

Look for *WPA Algorithms*, and select *TKIP*.

Wireless

Setup

Wireless

Security

Access
Restrictions

Applications
& Gaming

Administration

Basic Wireless Settings

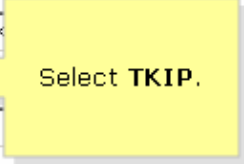
Wireless Security

Wireless MAC Filter

Advanced Wireless

Wireless Security

Security Mode:

WPA Algorithms: 

WPA Shared Key:

Group Key Renewal: seconds

Save Settings

Cancel Changes

Step 5:

Look for the **WPA Shared Key** field, and enter "MySecretKey" or your desired WPA key. This will serve as your network key whenever you connect to your wireless network.

Note: Do not give this key to anyone. This key will secure your wireless network. Leave **Group Key Renewal** set to 3600 seconds.

Wireless

Setup

Wireless

Security

Access
Restrictions

Applications
& Gaming

Administration

Basic Wireless Settings

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Wireless Security

Security Mode:

WPA Algorithms:

WPA Shared Key:

Group Key Renewal: seconds

Enter your desired WPA key here. This key should be unique.

Save Settings

Cancel Changes

Step 6:

Click **Save Settings**.

Step 7:

Reconnect to your wireless network. For instructions, click [here](#).

Related Information

- [Technical Support & Documentation – Cisco Systems](#)