

Set up 128–Bit WEP Wireless Security on a Cisco Small Business VoIP Router

Document ID: 108666

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Introduction How do I set up 128–Bit WEP 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 128–Bit WEP Wireless Security on a Cisco Small Business VoIP Router?

A.

Wired Equivalent Privacy (WEP) is a 64–bit key with 10 hexadecimal digits or a 128–bit WEP key with 26 hexadecimal digits. This encryption will prevent other users from connecting to a wireless network using your own WEP key. It will also protect your wireless transmissions/communications from being accessed or received by other users.

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

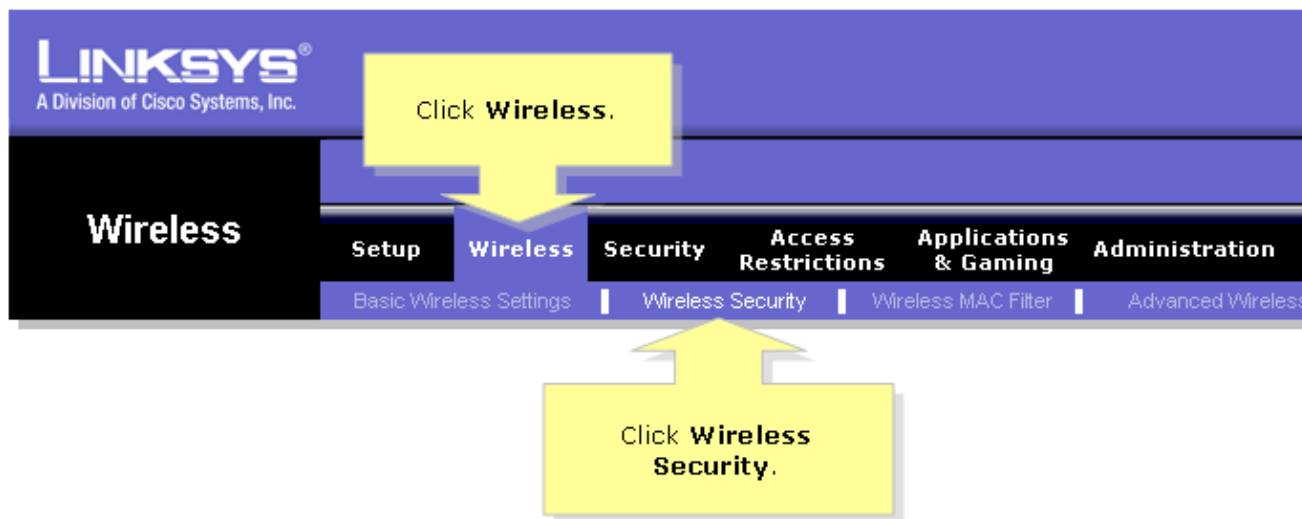
Set up the VoIP Router to Use WEP

Step 1:

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

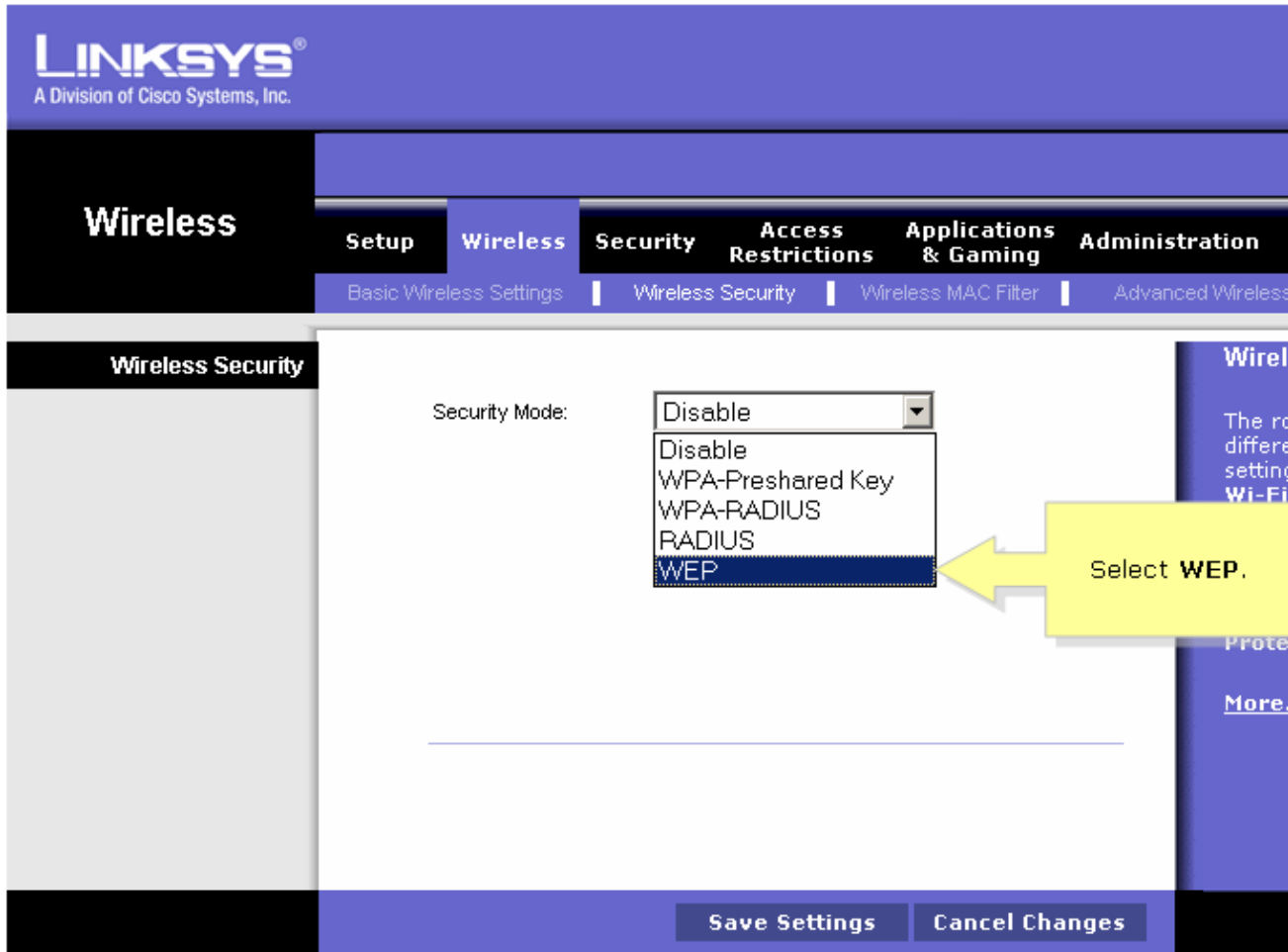
Step 2:

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



Step 3:

Look for **Security Mode**, and select **WEP**.

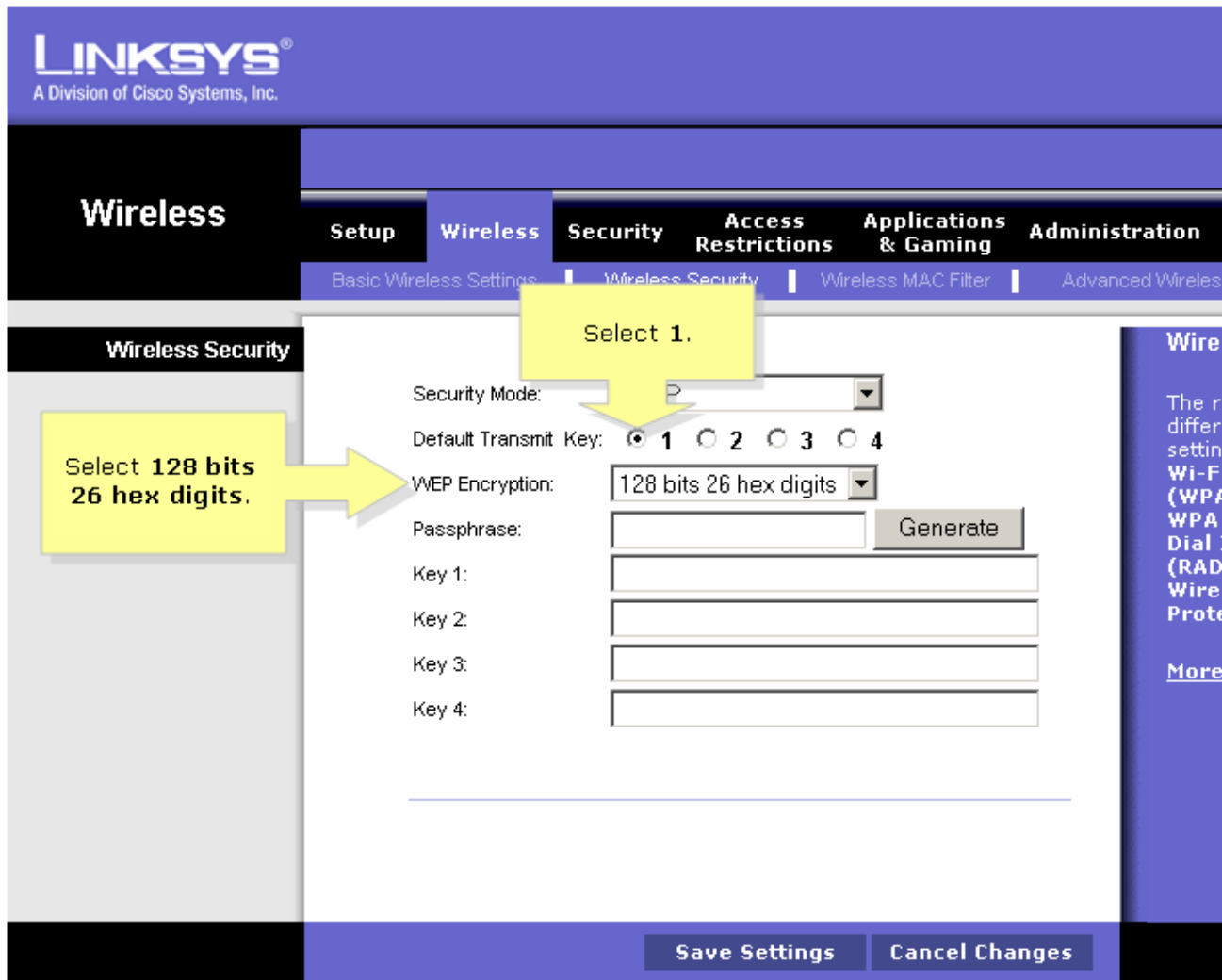


Step 4:

Select any number under the **Default Transmit Key** in order to determine which key you will use. In this example, we selected number **1**.

Step 5:

Look for **WEP Encryption**, and select **128 bits 26 hex digits**.



Step 6:

Type a wireless network password of your choice, such as "MySecretKey" and click **Generate**.

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Wireless

Setup | **Wireless** | Security | Access Restrictions | Applications & Gaming | Administration

Basic Wireless Settings | **Wireless Security** | Wireless MAC Filter | Advanced Wireless

Wireless Security

Security Mode: WEP

Default Transmit Key: 1 2 3 4

WEP Encryption: 128 bits 26 hex digits

Passphrase: MySecretKey

Key 1:

Key 2:

Key 3:

Key 4:

Note: Create a password that is unique for your network and is a combination of numbers and letters up to 16 characters.

Step 7:

The result is a string of random characters. Copy the resulting string, since this will be the key to your wireless network.

Wireless

Setup

Wireless

Security

Access
Restrictions

Applications
& Gaming

Administration

Basic Wireless Settings

Wireless Security

Wireless MAC Filter

Advanced Wireless

Wireless Security

Security Mode:

Default Transmit Key: 1 2 3 4

WEP Encryption:

Passphrase:

Key 1:

Key 2:

Key 3:

Key 4:

Note: Do not give this key to anyone. This will be your wireless network's key.

Step 8:

Click .

Related Information

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