

# Wireless Distribution System (WDS) Configuration on the RV120W and RV220W

## Objectives

A Wireless Distribution System (WDS) enables the wireless interconnection of access points in a network. It allows a wireless network to be expanded using multiple access points without the need for a wired connection to link them.

This document explains how to configure a Wireless Distribution System on the Cisco RV120W and RV220W.

## Applicable Devices

- RV120W
- RV220W

## Software Version

- v1.0.4.17

## Step-by-Step Procedure

### WDS Configuration

Step 1. Using the graphical user interface on the RV120W / RV220W, choose **Wireless > WDS**.

WDS

⚠ Please enable WDS to configure WDS Peers.

**WDS Configuration**

WDS:  Enable

WPA Key:

MAC Address:

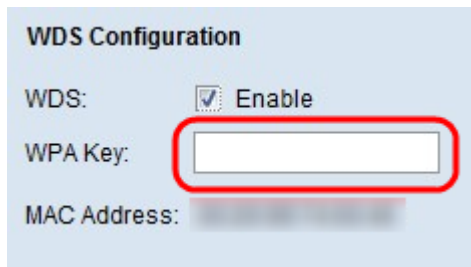
**WDS Peer Table**

<input type="checkbox"/>	MAC Address
<input type="checkbox"/>	No Data Found

Add Delete

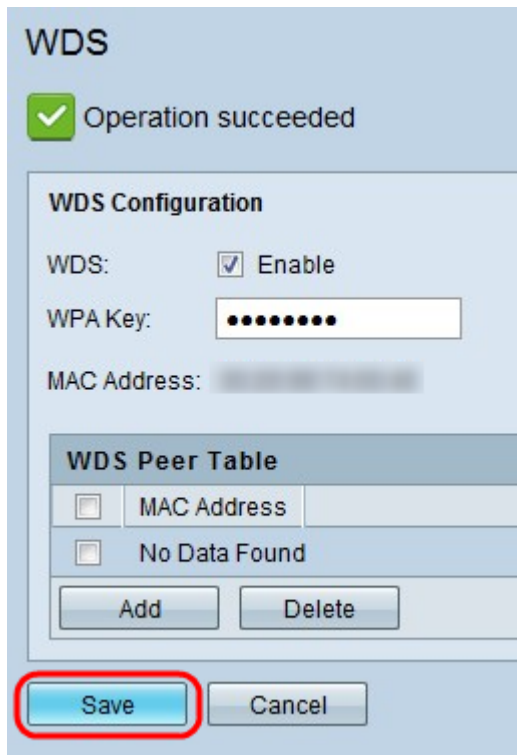
Save Cancel

Step 2. Check the **Enable** check box to enable WDS.



The image shows a 'WDS Configuration' dialog box. It has three fields: 'WDS:' with a checked checkbox and the word 'Enable' next to it; 'WPA Key:' with an empty text input field; and 'MAC Address:' with a blurred text input field. A red rectangle highlights the 'WPA Key' input field.

Step 3. Enter the WPA Key for authentication.



The image shows the 'WDS' configuration dialog box after successful completion. At the top, there is a green checkmark icon followed by the text 'Operation succeeded'. Below this is the 'WDS Configuration' section, which is identical to the previous step, but the 'WPA Key' field now contains ten black dots. Below the configuration section is a 'WDS Peer Table' section with two rows: 'MAC Address' and 'No Data Found', each with an unchecked checkbox. At the bottom of the dialog are 'Add' and 'Delete' buttons. A red rectangle highlights the 'Save' button.

Step 4. Click **Save**.

## WDS Peer Configuration

WDS peers are access points in the network that are connected in the WDS.

**WDS**

Operation succeeded

**WDS Configuration**

WDS:  Enable

WPA Key:

MAC Address: 00:26:99:74:60:46

**WDS Peer Table**

<input type="checkbox"/>	MAC Address	
<input type="checkbox"/>	No Data Found	

Step 1. Click **Add** in the WDS Peer Table.

**WDS Peer Table**

<input type="checkbox"/>	MAC Address	
<input type="checkbox"/>	No Data Found	

Please click 'Save' button to take Add/Edit/Delete Operation into effect

Step 2. Enter the MAC address of the WDS peer.

**WDS Peer Table**

<input type="checkbox"/>	MAC Address	
<input type="checkbox"/>	No Data Found	

Please click 'Save' button to take Add/Edit/Delete Operation into effect

Step 3. Click **Save**.