

如何在RV130W上配置无线分布系统(WDS)

目标

无线分布系统(WDS)是一种在网络中实现接入点(AP)无线互连的系统。WDS允许使用多个接入点扩展无线网络，而无需有线主干来连接它们。要建立WDS链路，设备和其他远程WDS对等体必须配置在相同的无线网络模式、无线通道、无线频段选择和加密类型（无或WEP）中。有关详细信息，请参阅[在RV130W上配置基本无线设置](#)。

在典型的小型企业环境中，您可以在网桥模式或中继器模式下配置WDS。如果希望其他AP扩展设备的网络信号（充当公共链路），网桥模式非常有用。如果希望设备通过使用无线连接充当其他AP的网络信号中继器，中继器模式非常有用。

本文档旨在向您展示如何在RV130W上配置无线分布系统。

适用设备

- RV130W

软件版本

- v1.0.1.3

无线分布系统配置

在网桥模式下配置WDS

步骤1. 登录Web配置实用程序并选择Wireless > WDS。WDS页面打开：

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

MAC

Save

Cancel

步骤2.要启用WDS，请选中WDS字段中的复选框。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS



Mode

WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):



Show Available Networks

MAC

Save

Cancel

步骤3.在“模式”字段中，单击“WDS网桥”单选按钮。当路由器的WDS配置为网桥模式时，WDS将配置的接入点指定为多个接入点之间的公共链路。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

MAC

Save Cancel

步骤4.在远程无线网桥的MAC地址部分，在MAC 1字段中输入要用作网桥的接入点的MAC地址。您还可以在MAC 2、MAC 3和MAC 4字段中配置用作网桥的其他接入点。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

Show Available Networks

MAC

Save

Cancel

步骤5.单击“保存”保存更改。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

MAC

WDS在无线中继器模式下的配置

步骤1. 登录Web配置实用程序并选择Wireless > WDS。“WDS”页面打开。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

MAC

Save

Cancel

步骤2.要启用WDS，请选中WDS字段中的复选框。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

MAC

Save Cancel

步骤3.在Mode字段中，单击WDS Repeater单选按钮。当路由器的WDS配置为中继器模式时，WDS通过使用无线连接重复信号来指定已配置的接入点以连接到多个接入点，而无需有线连接到LAN。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

MAC

Save Cancel

步骤4.为WDS中继器模式选择所需选项。可用选项定义如下：

- 允许中继器重复无线信号 — 指定接入点用于重复设备的无线信号。
- 重复远程接入点的无线信号 — 设备用于重复另一个无线接入点的无线信号。如果选择此选项，请跳至步骤6。

步骤5.如果在步骤4中选择允许中继器重复无线信号，请在MAC 1字段中输入要用作中继器的接入点MAC地址。您可以在MAC 2、MAC 3和MAC 4字段中配置其他接入点作为中继器。跳至步骤9。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

MAC

Save

Cancel

步骤6.如果在步骤4中选择“重复远程接入点的无线信号”，请单击“显示可用网络”以查找要连接的可用无线接入点。

WDS

WDS MAC Address: 3C:CE:73:8E:04:1E

WDS

Mode WDS Bridge

Remote Wireless Bridge's MAC Address

MAC 1 (Hint: 00:11:22:33:44:55 or 001122334455)

MAC 2

MAC 3

MAC 4

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

MAC

系统将显示 Available Networks 表：

Repeat wireless signal of a remote access point

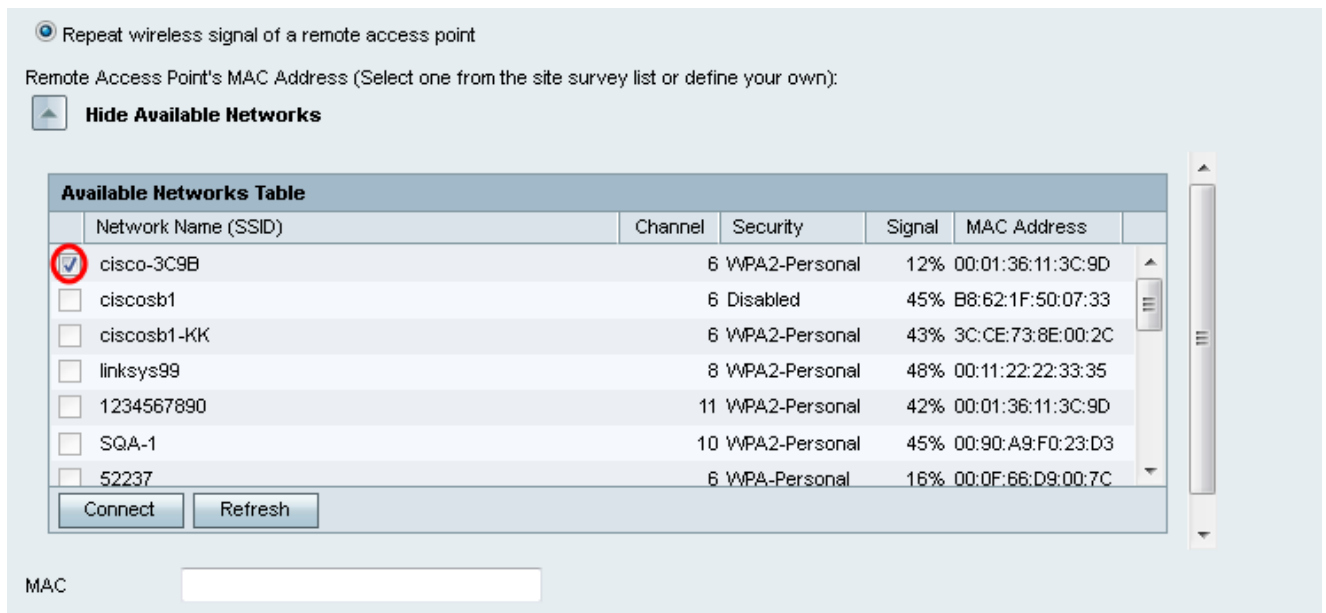
Remote Access Point's MAC Address (Select one from the site survey list or define your own):

Available Networks Table

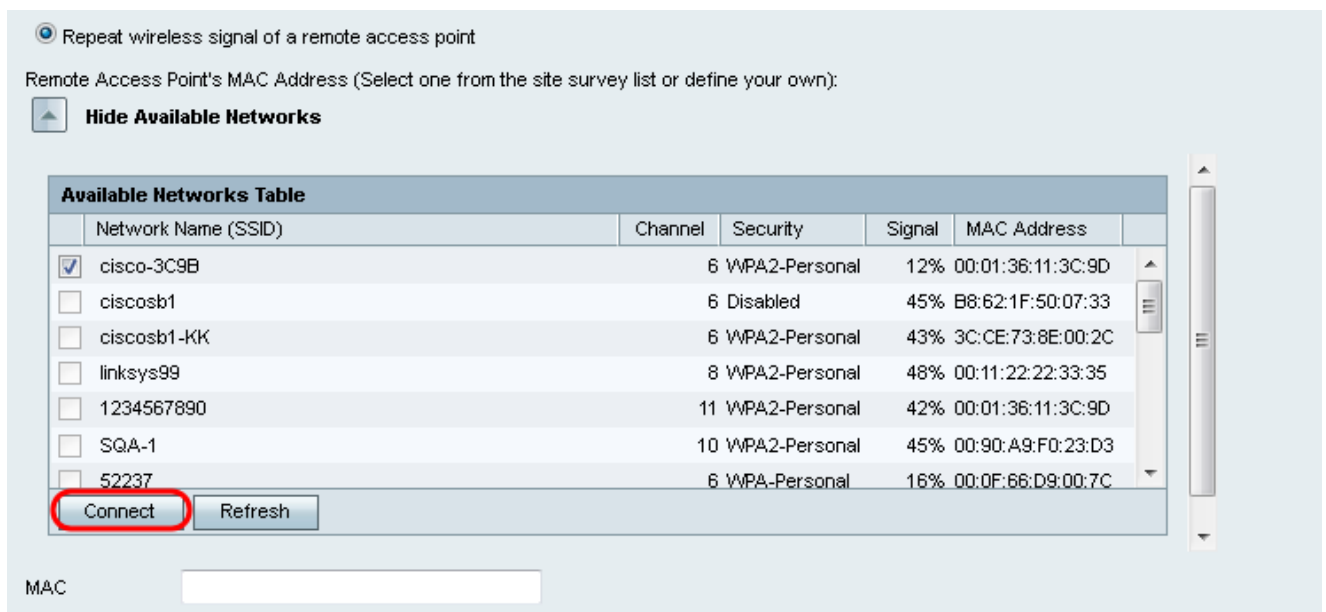
	Network Name (SSID)	Channel	Security	Signal	MAC Address
<input type="checkbox"/>	cisco-3C9B	6	WPA2-Personal	12%	00:01:36:11:3C:9D
<input type="checkbox"/>	ciscosb1	6	Disabled	45%	B8:62:1F:50:07:33
<input type="checkbox"/>	ciscosb1-KK	6	WPA2-Personal	43%	3C:CE:73:8E:00:2C
<input type="checkbox"/>	linksys99	8	WPA2-Personal	48%	00:11:22:22:33:35
<input type="checkbox"/>	1234567890	11	WPA2-Personal	42%	00:01:36:11:3C:9D
<input type="checkbox"/>	SQA-1	10	WPA2-Personal	45%	00:90:A9:F0:23:D3
<input type="checkbox"/>	52237	6	WPA-Personal	16%	00:0F:66:D9:00:7C

MAC

步骤7. 选中所需的网络名称复选框，以指定您希望设备为哪个可用无线接入点重复信号。



步骤8. 单击“连接”按钮，将所选接入点的MAC地址添加到“MAC”字段。



MAC 字段将用所选网络的MAC地址更新。

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

Hide Available Networks

Available Networks Table					
	Network Name (SSID)	Channel	Security	Signal	MAC Address
<input checked="" type="checkbox"/>	cisco-3C9B	6	WPA2-Personal	12%	00:01:36:11:3C:9D
<input type="checkbox"/>	ciscosb1	6	Disabled	45%	B8:62:1F:50:07:33
<input type="checkbox"/>	ciscosb1-KK	6	WPA2-Personal	43%	3C:CE:73:8E:00:2C
<input type="checkbox"/>	linksys99	8	WPA2-Personal	48%	00:11:22:22:33:35
<input type="checkbox"/>	1234567890	11	WPA2-Personal	42%	00:01:36:11:3C:9D
<input type="checkbox"/>	SQA-1	10	WPA2-Personal	45%	00:90:A9:F0:23:D3
<input type="checkbox"/>	52237	6	WPA-Personal	16%	00:0F:66:D9:00:7C

MAC

步骤9.单击“保存”保存设置。

WDS Repeater

Allow wireless signal to be repeated by a repeater

MAC 1

MAC 2

MAC 3

MAC 4

Repeat wireless signal of a remote access point

Remote Access Point's MAC Address (Select one from the site survey list or define your own):

Hide Available Networks

Available Networks Table					
	Network Name (SSID)	Channel	Security	Signal	MAC Address
<input checked="" type="checkbox"/>	cisco-3C9B	6	WPA2-Personal	12%	00:01:36:11:3C:9D
<input type="checkbox"/>	ciscosb1	6	Disabled	45%	B8:62:1F:50:07:33
<input type="checkbox"/>	ciscosb1-KK	6	WPA2-Personal	43%	3C:CE:73:8E:00:2C
<input type="checkbox"/>	linksys99	8	WPA2-Personal	48%	00:11:22:22:33:35
<input type="checkbox"/>	1234567890	11	WPA2-Personal	42%	00:01:36:11:3C:9D
<input type="checkbox"/>	SQA-1	10	WPA2-Personal	45%	00:90:A9:F0:23:D3
<input type="checkbox"/>	52237	6	WPA-Personal	16%	00:0F:66:D9:00:7C

MAC