

如何在RV130W上配置無線分佈系統(WDS)

目標

無線分佈系統(WDS)是在網路中實現接入點(AP)無線互連的系統。WDS允許使用多個接入點來擴展無線網路，而無需使用有線骨幹鏈路來連線它們。要建立WDS鏈路，裝置和其他遠端WDS對等體必須在相同的無線網路模式、無線通道、無線頻帶選擇和加密型別 (None或 WEP) 中配置。有關詳細資訊，請參閱[在RV130W上配置基本無線設定](#)。

在典型的小型企業環境中，您可以在網橋模式或中繼器模式下配置WDS。如果您希望其他AP擴展裝置的網路訊號 (充當公共鏈路)，網橋模式非常有用。如果希望裝置使用無線連線充當其他AP的網路訊號中繼器，中繼器模式將很有用。

本文檔旨在向您展示如何在RV130W上配置無線分佈系統。

適用裝置

- RV130W

軟體版本

- v1.0.1.3

無線分佈系統配置

在網橋模式下配置WDS

步驟1.登入到Web配置實用程式並選擇Wireless > WDS。WDS 頁面隨即開啟：

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

步驟2.要啟用WDS，請選中WDS欄位中的覈取方塊。

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

步驟3.在Mode欄位中，按一下**WDS Bridge**單選按鈕。當路由器的WDS配置為網橋模式時，WDS會將配置的接入點指定為多個接入點之間的公共鏈路。

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

步驟4. 在遠端無線網橋的MAC地址部分，在MAC 1欄位中輸入要用作網橋的接入點的MAC地址。您還可以在MAC 2、MAC 3和MAC 4欄位中配置要用作網橋的其他接入點。

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

步驟5.按一下Save以儲存變更。

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

無線中繼器模式下的WDS配置

步驟1. 登入到Web配置實用程式並選擇Wireless > WDS。WDS頁面隨即開啟。

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

步驟2.要啟用WDS，請選中WDS欄位中的覈取方塊。

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

步驟3.在Mode欄位中，按一下**WDS Repeater**單選按鈕。當路由器的WDS配置為中繼器模式時，WDS會指定已配置的接入點通過無線連線重複訊號，連線到多個無線接入點，而無需有線連線至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

步驟4.為WDS中繼器模式選擇所需的選項。可用選項定義如下：

- 允許中繼器重複無線訊號 — 指定接入點用於重複裝置的無線訊號。
- 重複遠端接入點的無線訊號 — 該裝置用於重複另一個無線接入點的無線訊號。如果選擇此選項，請跳至步驟6。

步驟5.如果您在步驟4中選擇**Allow wireless signal to be repeated by a repeater** (允許中繼器重複無線訊號)，請在MAC 1欄位中輸入要用作中繼器的接入點的MAC地址。您可以在MAC 2、MAC 3和MAC 4欄位中配置要用作中繼器的其他接入點。跳至步驟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

步驟6. 如果您在步驟4中選擇重複遠端接入點的無線訊號，請按一下顯示可用網路以查詢要連線的可用無線接入點。

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

系統將顯示 *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

步驟7.選中所需的網路名稱覈取方塊，以指定希望裝置為其重複訊號的可用無線接入點。

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

Connect Refresh

MAC

步驟8. 按一下**Connect**按鈕將所選接入點的MAC地址新增到MAC欄位。

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

Connect Refresh

MAC

MAC欄位將使用所選網路的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

步驟9.按一下**Save**以儲存設定。

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