



Fixed domains and country codes (ROW)

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Configure and verify country code using CLI

To configure country code for the Rest of the World (ROW) domain, use the following CLI command:

```
Device# configure countrycode [countrycode]
```

Example:

```
Configure countrycode GB
```

The above CLI reports an error if the configured country code is not included in the ROW and the wireless interface does not work correctly if the country code is not configured.



Note Reboot the device before configuring other wireless parameters such as frequency, channel width, and after configuring country code. Setting the country code is only applicable for access points with the ROW domain, such as IW9167EH-ROW.

To verify the status of country code, use the following show command:

```
Device# show version | in Product
Product/Model Number: IW9167EH-ROW
```

To verify the status of ROW country code, use the following show command:

```
Device# show dot11Radio <interface> config
```

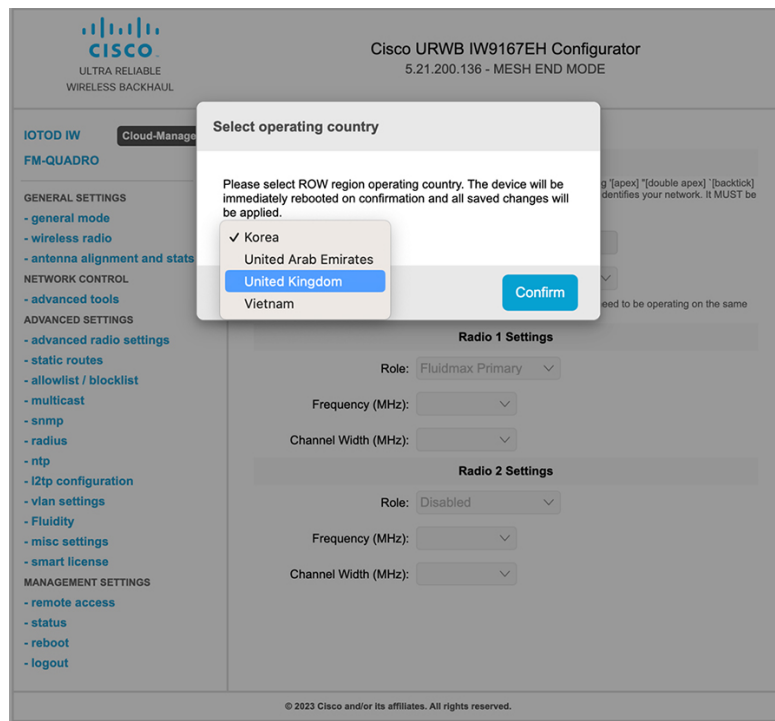
Example:

```
Device# show dot11Radio 1 config
.....
DFS region : GB
DFS radar role : auto
Radar Detected : 0
Indoor deployment: disable
```

Configure country code using GUI

Wireless interfaces fail to work if country code is not configured. To configure the country code:

1. In the **GENERAL SETTINGS**, click **wireless radio**.
2. For ROW domain, if the country code is not selected, the following pop-up appears:



3. To select a country code, click the pop-up in the above image then it redirects to the **Wireless Settings** section. In the **Wireless Settings** section, choose country from the drop-down list.

A confirmation pop-up appears.

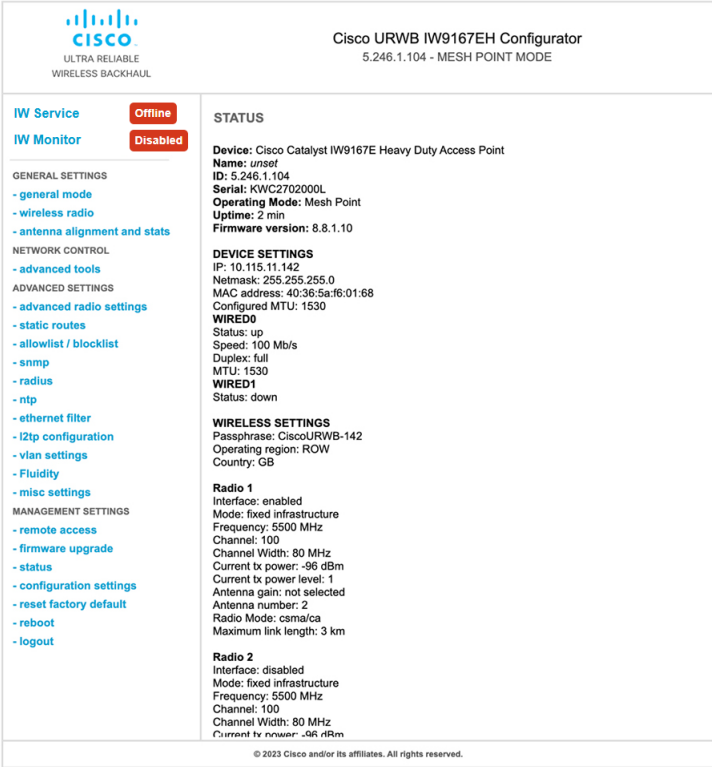
4. Click **Confirm**.

A reboot confirmation screen appears.

5. Click **Yes**.

6. In the **MANAGEMENT SETTINGS**, click **status**.

In the **STATUS** page, check the details of operating region and country for confirmation.



Cisco
ULTRA RELIABLE
WIRELESS BACKHAUL

Cisco URWB IW9167EH Configurator
5.246.1.104 - MESH POINT MODE

IW Service Offline
IW Monitor Disabled

GENERAL SETTINGS

- general mode
- wireless radio
- antenna alignment and stats

NETWORK CONTROL

- advanced tools

ADVANCED SETTINGS

- advanced radio settings
- static routes
- allowlist / blocklist
- snmp
- radius
- ntp
- ethernet filter
- i2tp configuration
- vlan settings
- Fluidity
- misc settings

MANAGEMENT SETTINGS

- remote access
- firmware upgrade
- status
- configuration settings
- reset factory default
- reboot
- logout

STATUS

Device: Cisco Catalyst IW9167E Heavy Duty Access Point
Name: unset
ID: 5.246.1.104
Serial: KWC2702000L
Operating Mode: Mesh Point
Uptime: 2 min
Firmware version: 8.8.1.10

DEVICE SETTINGS

IP: 10.115.11.142
Netmask: 255.255.255.0
MAC address: 40:36:5a:f6:01:68
Configured MTU: 1530

WIRED0
Status: up
Speed: 100 Mb/s
Duplex: full
MTU: 1530

WIRED1
Status: down

WIRELESS SETTINGS
Passphrase: CiscoURWB-142
Operating region: ROW
Country: GB

Radio 1
Interface: enabled
Mode: fixed infrastructure
Frequency: 5500 MHz
Channel: 100
Channel Width: 80 MHz
Current tx power: -96 dBm
Current tx power level: 1
Antenna gain: not selected
Antenna number: 2
Radio Mode: csma/ca
Maximum link length: 3 km

Radio 2
Interface: disabled
Mode: fixed infrastructure
Frequency: 5500 MHz
Channel: 100
Channel Width: 80 MHz
Current tx power: -96 dBm

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7. To establish a wireless connection between devices, set the same operating frequency in radio devices.



Note Shared Passphrase must be same for all the devices belonging to the same network.

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ULTRA RELIABLE
WIRELESS BACKHAUL

Cisco URWB IW9167EH Configurator

5.21.201.88 - MESH POINT MODE

IW Service

Offline

IW Monitor

Disabled

GENERAL SETTINGS

- general mode
- wireless radio
- antenna alignment and stats

NETWORK CONTROL

- advanced tools

ADVANCED SETTINGS

- advanced radio settings
- static routes
- allowlist / blocklist
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MANAGEMENT SETTINGS

- remote access
- firmware upgrade
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- reboot
- logout

WIRELESS RADIO

Wireless Settings

"Shared Passphrase" is an alphanumeric string or special characters excluding "[apex]" "[double apex]" "[backtick]" "\$[dollar]" "[equal]" "[backslash]" and whitespace (e.g. "mysecurecamnet") that identifies your network. IT MUST be the same for all the Cisco URWB units belonging to the same network.

Shared Passphrase:

In order to establish a wireless connection between Cisco URWB units, they need to be operating on the same frequency.

Radio 1 Settings

Role:

Frequency (MHz):

Channel Width (MHz):

Radio 2 Settings

Role:

Frequency (MHz):

Channel Width (MHz):

Reset

Save

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Following image shows the configuration of country code using GUI:

 CISCO ULTRA RELIABLE WIRELESS BACKHAUL	Cisco URWB IW9167EH Configurator 5.21.201.88 - MESH POINT MODE
IW Service IW Monitor Offline Disabled	<pre>Serial: YF1RZ000000000 Operating Mode: Mesh Point Uptime: 4 days, 16:23 (hh:mm) Firmware version: 8.8.1.10</pre>
GENERAL SETTINGS - general mode - wireless radio - antenna alignment and stats NETWORK CONTROL - advanced tools ADVANCED SETTINGS - advanced radio settings - static routes - allowlist / blacklist - snmp - radius - ntp - ethernet filter - l2tp configuration - vlan settings - Fluidity - misc settings MANAGEMENT SETTINGS - remote access - firmware upgrade - status - configuration settings - reset factory default - reboot - logout	DEVICE SETTINGS IP: 10.115.11.118 Netmask: 255.255.255.0 MAC address: 40:36:5a:15:c9:58 Configured MTU: 1530 WIRED0 Status: up Speed: 1000 Mbps Duplex: full MTU: 1530 WIRED1 Status: down WIRELESS SETTINGS Passphrase: CiscoURWB-118 Operating region: B Radio 1 Interface: enabled Mode: fixed infrastructure Frequency: 5260 MHz Channel: 52 Channel Width: 20 MHz Current tx power: 25 dBm Current tx power level: 1 Antenna gain: not selected Antenna number: 2 Radio Mode: csm/ca Maximum link length: 3 km Radio 2 Interface: disabled Mode: fixed infrastructure Frequency: 5180 MHz Channel: 36 Channel Width: 80 MHz Current tx power: 19 dBm Current tx power level: 1 Antenna gain: not selected Antenna number: 2 Radio Mode: csm/ca Maximum link length: 3 km DIAGNOSTIC TOOL

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Fixed domains and country codes for Catalyst APs (ROW)

The ROW regulatory domain simplifies the management of country codes for regions that do not have a specific domain mapped. The fixed domain and country code support for the Catalyst IW9167E, IW9165E, and IW9165D APs are described in this section.

You are responsible for ensuring APs approval for use in your country. To verify approval and identify the regulatory domain associated with a particular country, refer to the [Cisco Product Approval Status](#).

Supported fixed domains for Catalyst IW9167E

Domain	Indoor deployment support
A	No
B ¹	N/A
E	Yes
F	No
Q	No
Z	No

¹ Outdoor and indoor frequencies are same for the B domain.

Supported country codes for Catalyst IW9167E

Country code	Indoor deployment support	Initial support
Algeria (DZ)	No	17.16.1
Argentina (AR)	No	17.13.1
Bahamas (BS)	No	17.16.1
Brazil (BR)	No	17.13.1
Brunei (BN)	No	17.16.1
Cameroon (CM)	No	17.16.1
Chile (CL)	No	17.13.1
China (CN)	No	17.13.1
Colombia (CO)	No	17.13.1
Costa Rica (CR)	No	17.16.1
Ecuador (EC)	No	17.13.1

Country code	Indoor deployment support	Initial support
Egypt (EG)	No	17.15.1
El Salvador (SV)	No	17.16.1
Ghana (GH)	No	17.16.1
Great Britain (GB)	Yes	17.11.1
Hong Kong (HK)	No	17.13.1
Iceland (IS) ²	Yes	—
India (IN)	No	17.12.1
Iraq (IQ)	No	17.13.1
Kenya (KE)	No	17.16.1
Korea (KR)	No	17.12.1
Kuwait (KW)	No	17.16.1
Macau (MO)	No	17.16.1
Malaysia (MY)	No	17.15.1
Mexico (MX)	No	17.13.1
Monaco (MC) ³	Yes	—
Mongolia (MN)	No	17.15.1
Nigeria (NG)	No	17.16.1
Pakistan (PK)	No	17.13.1
Panama (PA)	No	17.16.1
Paraguay (PY)	No	17.16.1
Peru (PE)	No	17.12.1
Philippines (PH)	No	17.12.1
Puerto Rico (PR) ⁴	No	17.15.1
Qatar (QA)	No	17.13.1
Saudi Arabia (SA)	No	17.13.1
Singapore (SG)	No	17.13.1
South Africa (ZA)	No	17.13.1
Taiwan, Republic of China (TW)	No	17.13.1

Country code	Indoor deployment support	Initial support
Thailand (TH)	No	17.13.1
United Arab Emirates (AE)	No	17.13.1
Uruguay (UY)	No	17.13.1
Vietnam (VN)	N/A	17.11.1

² Supported using -E domain.

³ Supported using -E domain

⁴ Supported using -B domain.



Note You can select the listed country codes using CLI or GUI. For ROW domain, select the country code for the device to work. This task is common to all the three Catalyst APs: IW9167E, IW9165E, and IW9165DH.

Supported fixed domains for Catalyst IW9165E

Domain	Indoor deployment support
A	Yes
B ⁵	N/A
E	Yes
F	Yes
Q	Yes
Z	Yes

⁵ Outdoor and indoor frequencies are same for the B domain.

Supported country codes for Catalyst IW9165E

Country code	Indoor deployment support	Initial support
Algeria (DZ)	Yes	17.16.1
Argentina (AR)	Yes	17.15.1
Bahrain (BH)	Yes	17.16.1
Bolivia (BO)	Yes	17.16.1
Brazil (BR)	Yes	17.13.1
Chile (CL)	Yes	17.13.1

Country code	Indoor deployment support	Initial support
China (CN)	Yes	17.15.1
Colombia (CO)	Yes	17.15.1
Costa Rica (CR)	Yes	17.16.1
Dominican Republic (DO)	Yes	17.16.1
Ecuador (EC)	Yes	17.15.1
Egypt (EG)	Yes	17.15.1
Great Britain (GB)	Yes	17.12.1
Hong Kong (HK)	Yes	17.15.1
India (IN)	Yes	17.13.1
Iraq (IQ)	Yes	17.15.1
Kazakhstan (KZ)	Yes	17.16.1
Kenya (KE)	Yes	17.16.1
Korea (KR)	Yes	17.13.1
Malaysia (MY)	Yes	17.15.1
Mexico (MX)	Yes	17.13.1
Mongolia (MN)	Yes	17.15.1
Pakistan (PK)	Yes	17.15.1
Panama (PA)	Yes	17.16.1
Paraguay (PY)	Yes	17.16.1
Peru (PE)	Yes	17.13.1
Philippines (PH)	Yes	17.13.1
Qatar (QA)	Yes	17.13.1
Saudi Arabia (SA)	Yes	17.13.1
Singapore (SG)	Yes	17.13.1
South Africa (ZA)	Yes	17.13.1
Sri Lanka (LK)	Yes	17.13.1
Taiwan, Republic of China (TW)	Yes	17.14.1
Thailand (TH)	Yes	17.13.1

Country code	Indoor deployment support	Initial support
UAE (AE)	Yes	17.13.1
Vietnam (VN)	Yes	17.13.1

Supported fixed domains for Catalyst IW9165DH

Domain	Indoor deployment support
A	No
B ⁶	N/A
E	Yes
F	No
Q	No
Z	No

⁶ Outdoor and indoor frequencies are same for the B domain.

Supported country codes for Catalyst IW9165DH

Country code	Indoor deployment support	Initial support
Algeria (DZ)	No	17.16.1
Argentina (AR)	No	17.15.1
Bolivia (BO)	No	17.16.1
Brazil (BR)	No	17.13.1
Cameroon (CM)	No	17.16.1
Chile (CL)	No	17.13.1
China (CN)	No	17.15.1
Colombia (CO)	No	17.15.1
Costa Rica (CR)	No	17.16.1
Costa Rica (CR)	No	17.16.1
Dominican Republic (DO)	No	17.16.1
Ecuador (EC)	No	17.15.1
Egypt (EG)	No	17.15.1

Country code	Indoor deployment support	Initial support
Ghana (GH)	No	17.16.1
Great Britain (GB)	Yes	17.12.1
Hong Kong (HK)	No	17.15.1
India (IN)	No	17.13.1
Iraq (IQ)	No	17.15.1
Kazakhstan (KZ)	No	17.16.1
Kenya (KE)	No	17.16.1
Korea (KR)	No	17.13.1
Kuwait (KW)	No	17.16.1
Malaysia (MY)	No	17.15.1
Mexico (MX)	No	17.13.1
Mongolia (MN)	No	17.15.1
Pakistan (PK)	No	17.15.1
Panama (PA)	No	17.16.1
Paraguay (PY)	No	17.16.1
Peru (PE)	No	17.13.1
Philippines (PH)	No	17.13.1
Qatar (QA)	No	17.13.1
Saudi Arabia (SA)	No	17.13.1
Singapore (SG)	No	17.13.1
South Africa (ZA)	No	17.13.1
Sri Lanka (LK)	No	17.13.1
Taiwan, Republic of China (TW)	No	17.14.1
Thailand (TH)	No	17.13.1
UAE (AE)	No	17.13.1
Vietnam (VN)	No	17.13.1