



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 status of country code, use the following show command:

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

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

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

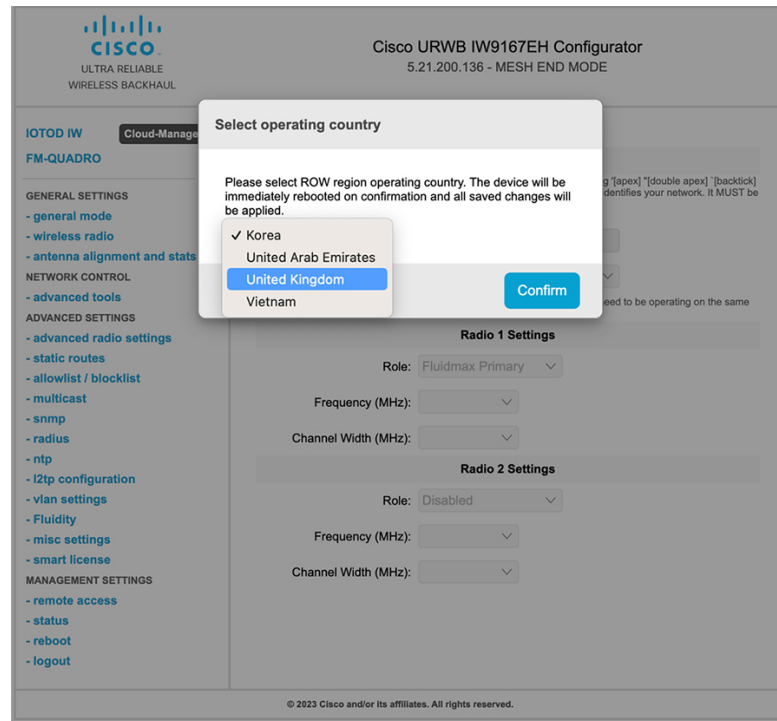
Example:

```
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.

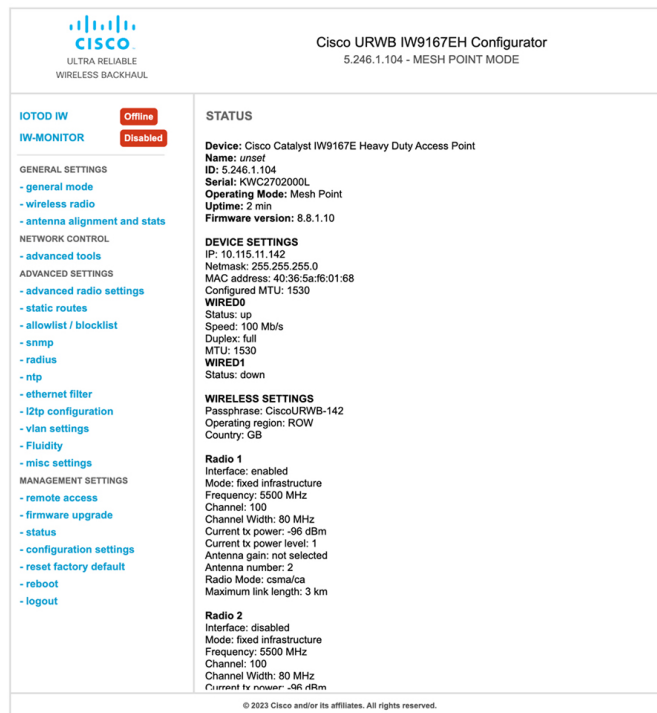
4. Click **Confirm**.

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.



The screenshot shows the Cisco URWB IW9167EH Configurator interface. The top header includes the Cisco logo and the text "Cisco URWB IW9167EH Configurator 5.246.1.104 - MESH POINT MODE". The left sidebar contains a navigation menu with sections: IOTOD IW (Offline), IW-MONITOR (Disabled), GENERAL SETTINGS (with sub-items: general mode, wireless radio, antenna alignment and stats), NETWORK CONTROL (with sub-items: advanced tools), ADVANCED SETTINGS (with sub-items: advanced radio settings, static routes, allowlist / blocklist, snmp, radius, ntp, ethernet filter, l2tp configuration, vlan settings, Fluidity, misc settings), and MANAGEMENT SETTINGS (with sub-items: remote access, firmware upgrade, status, configuration settings, reset factory default, reboot, logout). The main content area is divided into two columns. The left column shows the STATUS section with device details: Device: Cisco Catalyst IW9167E Heavy Duty Access Point, Name: unset, ID: 5.246.1.104, Serial: KWC2702000L, Operating Mode: Mesh Point, Uptime: 2 min, and Firmware version: 8.8.1.10. The right column shows the DEVICE SETTINGS section, which includes IP (10.115.11.142), Netmask (255.255.255.0), MAC address (40:36:5a:f6:01:68), Configured MTU (1530), WIREDO status (up), Speed (100 Mb/s), Duplex (full), MTU (1530), WIRED1 status (down), and WIRELESS SETTINGS (Passphrase: CiscoURWB-142, Operating region: ROW, Country: GB). Below these are details for Radio 1 (enabled, 5500 MHz, 80 MHz channel width, -96 dBm power) and Radio 2 (disabled, 5500 MHz, 80 MHz channel width, -96 dBm power). The footer of the interface states "© 2023 Cisco and/or its affiliates. All rights reserved."

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.

Configure country code using GUI


ULTRA RELIABLE
WIRELESS BACKHAUL

Cisco URWB IW9167EH Configurator
5.21.201.88 - MESH POINT MODE

IOTOD IW
IW-MONITOR

Offline
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

- l2tp configuration

- vlan settings

- fluidity

- misc settings

MANAGEMENT SETTINGS

- remote access

- firmware upgrade

- status

- configuration settings

- reset factory default

- 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: CiscoURWB

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

Radio 1 Settings

Role: Fixed

Frequency (MHz): 5260

Channel Width (MHz): 20

Radio 2 Settings

Role: Fixed

Frequency (MHz): 5180

Channel Width (MHz): 80

Reset Save

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Following image shows the configuration of country code using GUI:


ULTRA RELIABLE
WIRELESS BACKHAUL

Cisco URWB IW9167EH Configurator
5.21.201.88 - MESH POINT MODE

IOTOD IW
IW-MONITOR

Offline
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

- l2tp configuration

- vlan settings

- fluidity

- misc settings

MANAGEMENT SETTINGS

- remote access

- firmware upgrade

- status

- configuration settings

- reset factory default

- reboot

- logout

DEVICE SETTINGS

Operating Mode: Mesh Point
Uptime: 4 days, 16:23 (hh:mm)
Firmware version: 8.8.1.10

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 Mb/s
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: cma/ica
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: cma/ica
Maximum link length: 3 km

DIAGNOSTIC TOOL

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Support fixed domains and country codes (ROW)

The ROW reg domain simplifies the domain management of the manufacturing process for all the country codes that do not have a specific domain mapped. The fixed domain and country code support for the Catalyst IW9167E, IW9165E, and IW9165D access points are described in this section.

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

Catalyst IW9167E supported fixed domains

Domain	Indoor Deployment Support
A	No
B	N/A
E	Yes
F	No
Q	No
Z	No



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

Catalyst IW9167E supported country codes (ROW)

Domain ROW Country Code	Indoor Deployment Support	Support Version
VN (Vietnam)	N/A	17.11.1
GB (Great Britain)	Yes	17.11.1
KR (Korea)	No	17.12.1
IN (India)	No	17.12.1
PE (Peru)	No	17.12.1
PH (Philippines)	No	17.12.1
ZA (South Africa)	No	17.13.1
AR (Argentina)	No	17.13.1
HK (Hong Kong)	No	17.13.1

Domain ROW Country Code	Indoor Deployment Support	Support Version
PK (Pakistan)	No	17.13.1
UY (Uruguay)	No	17.13.1
CO (Colombia)	No	17.13.1
BR (Brazil)	No	17.13.1
CN (China)	No	17.13.1
EC (Ecuador)	No	17.13.1
IQ (Iraq)	No	17.13.1
SG (Singapore)	No	17.13.1
SA (Saudi Arabia)	No	17.13.1
QA (Qatar)	No	17.13.1
MX (Mexico)	No	17.13.1
TH (Thailand)	No	17.13.1
CL (Chile)	No	17.13.1
TW (Taiwan, Republic of China)	No	17.13.1
AE (United Arab Emirates)	No	17.13.1



Note You can select only the listed country codes using CLI or GUI.
For ROW domain, select the country code for the device to work.
IS (Iceland) and MC (Monaco) are supported using -E domain.

Catalyst IW9165E Supported Fixed Domains

Domain	Indoor Deployment Support
A	Yes
B	N/A
E	Yes
Z	Yes
Q	Yes
F	Yes



Note Outdoor and indoor frequencies are same for B domain.

Catalyst IW9165E supported country codes (ROW)

Domain ROW Country Code	Indoor Deployment Support	Support Version
GB (Great Britain)	Yes	17.12.1
ZA (South Africa)	Yes	17.13.1
IN (India)	Yes	17.13.1
KR (Korea)	Yes	17.13.1
PE (Peru)	Yes	17.13.1
AE (UAE)	Yes	17.13.1
MX (Mexico)	Yes	17.13.1
BR (Brazil)	Yes	17.13.1
CL (Chile)	Yes	17.13.1
SA (Saudi Arabia)	Yes	17.13.1
PH (Philippines)	Yes	17.13.1
QA (Qatar)	Yes	17.13.1
SG (Singapore)	Yes	17.13.1
LK (Sri Lanka)	Yes	17.13.1
TH (Thailand)	Yes	17.13.1
VN (Vietnam)	Yes	17.13.1



Note You can select only the listed country codes using CLI or GUI.
For ROW domain, select the country code for the device to work.

Catalyst IW9165D supported fixed domains

Domain	Indoor Deployment Support
A	No

Domain	Indoor Deployment Support
B	N/A
E	Yes
Z	No
Q	No
F	No



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

Catalyst IW9165DH supported country codes (ROW)

Domain ROW Country Code	Indoor Deployment Support	Support Version
GB (Great Britain)	Yes	17.12.1
ZA (South Africa)	No	17.13.1
IN (India)	No	17.13.1
KR (Korea)	No	17.13.1
PE (Peru)	No	17.13.1
AE (UAE)	No	17.13.1
MX (Mexico)	No	17.13.1
BR (Brazil)	No	17.13.1
CL (Chile)	No	17.13.1
SA (Saudi Arabia)	No	17.13.1
PH (Philippines)	No	17.13.1
QA (Qatar)	No	17.13.1
SG (Singapore)	No	17.13.1
LK (Sri Lanka)	No	17.13.1
TH (Thailand)	No	17.13.1
VN (Vietnam)	No	17.13.1



Note You can select only the listed country codes using CLI or GUI.
For ROW domain, select the country code for the device to work.
