



# Chromebox for meetings

User Guide

# **E8906**

## **First Edition**

### **February 2014**

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# About this user guide

This user guide provides information about the hardware and software features of your *Chromebox for meetings*, organized through the following chapters:

## **Chapter 1: Getting to know your *Chromebox for meetings***

This chapter details the hardware components of your *Chromebox for meetings*.

## **Chapter 2: Using your *Chromebox for meetings***

This chapter provides you with information on using your *Chromebox for meetings*.

## **Chapter 3: Configuring your *Chromebox for meetings***

This chapter provides you with information on setting your *Chromebox for meetings* for video conferencing.

## **Troubleshooting**

This section includes instructions on how to fix a problem that you may encounter when using your *Chromebox for meetings*.

## **Appendices**

This section includes notices and safety statements for your *Chromebox for meetings*.

# Conventions used in this user guide

To highlight key information in this user guide, some text are presented as follows:

---

**IMPORTANT!** This message contains vital information that must be followed to complete a task.

---

---

**NOTE:** This message contains additional information that can help complete tasks.

---

---

**TIP:** This message contains advice that can help complete tasks.

---

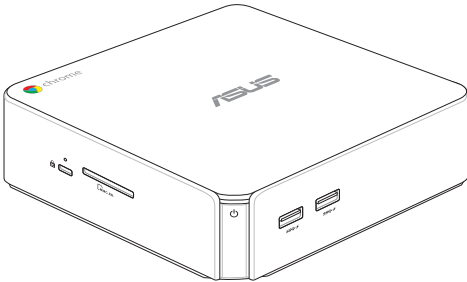
---

**WARNING!** This message contains important information that must be followed to keep you safe while performing certain tasks and prevent damage to your device, data and components.

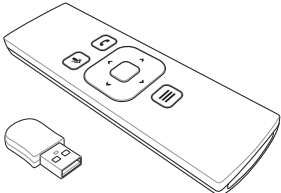
---

# Package contents

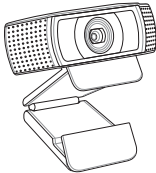
Your *Chromebox for meetings* package contains the following items:



Chromebox for meetings



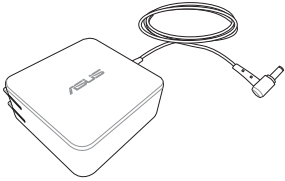
Remote control and receiver



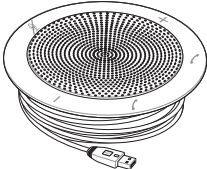
Camera



Adhesive fasteners for camera



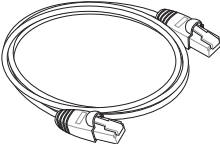
AC power adapter\*



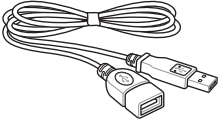
Speaker



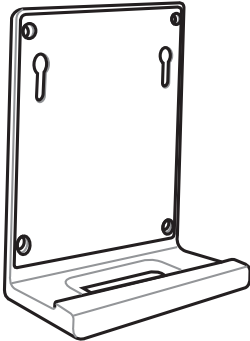
6 ft. HDMI cable



15 ft. CAT5e Ethernet cable



15 ft. Passive USB extension cable



L-mounting bracket



Technical documentations



Table mat



Mounting hardware

\*The bundled power adapter may vary with territories.

---

**NOTES:**

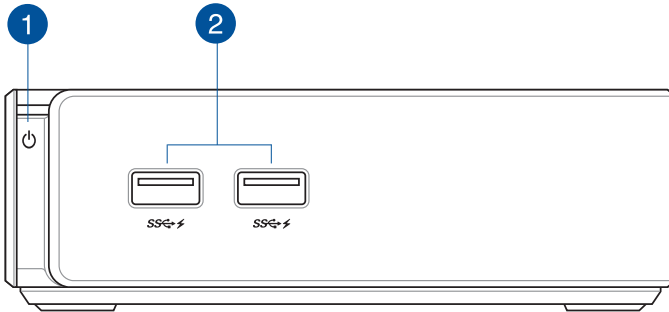
- If the device or its components fail or malfunction during normal and proper use within the warranty period, bring the warranty card to the ASUS Service Center for replacement of the defective components.
  - Some bundled accessories may vary with different models. For details on these accessories, refer to their respective user manuals.
-

*1*

***Getting to know your  
Chromebox for meetings***

# Features

## Front view



1



### Power button

The power button allows you to turn on, turn off, or lock your *Chromebox for meetings*.

When logged-in, press the power button to lock your *Chromebox for meetings*; you will then be prompted to input the account password.

If you're in the sign-in screen or in Hangouts, press the power button to shut down your *Chromebox for meetings*.

2

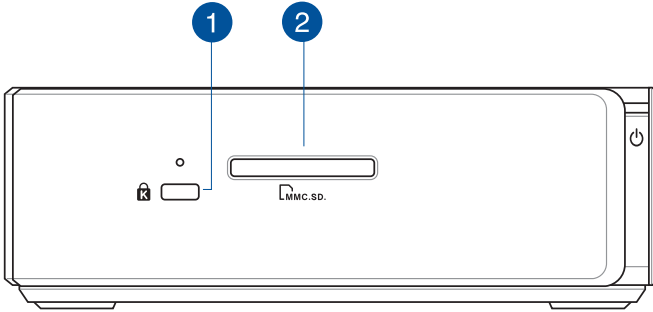


### USB 3.0 ports

These USB (Universal Serial Bus) 3.0 ports provide a transfer rate of up to 5 Gbit/s and are backward compatible with USB 2.0. These ports also support the Battery Charging 1.2 technology that allows you to charge your USB devices.



## Left side view



1



### **Kensington security slot**

The Kensington security slot allows you to secure your *Chromebox for meetings* using Kensington® security products.

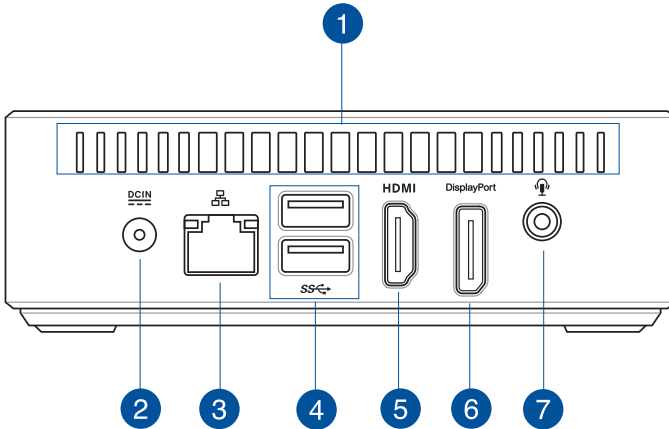
2



### **Memory card slot**

The built-in memory card reader enables your *Chromebox for meetings* to read and write data to and from MMC/SD cards.

## Rear view



1

### Air vents

The air vents allow cooler air to enter your *Chromebox for meetings* chassis.

---

**IMPORTANT:** For an optimum heat dissipation and air ventilation, ensure that the air vents are free from obstructions.

---

2



### Power input

The supplied power adapter converts AC power to DC power for use with this port. Power supplied through this port supplies power to the *Chromebox for meetings*. To prevent damage to the *Chromebox for meetings*, always use the supplied power adapter.

---

**WARNING!** The power adapter may become warm to hot when in use. Do not cover the adapter and keep it away from your body.

---

3



### LAN port

The 8-pin RJ-45 LAN port supports a standard Ethernet cable for connection to a local network.

4



### USB 3.0 ports

These USB (Universal Serial Bus) 3.0 ports provide a transfer rate of up to 5 Gbit/s and are backward compatible with USB 2.0.

5

HDMI

### HDMI port

The HDMI (High Definition Multimedia Interface) port supports a Full-HD device such as an LCD TV or monitor to allow viewing on a larger external display.

6

DisplayPort

### DisplayPort

The DisplayPort sends high-performance digital output from your *Chromebox for meetings* to a display device such as an LCD TV or HD monitor.

7



### Headphone/Mic combo port

The stereo headphone/mic combo port is used to connect the system's audio in/out signal to amplified speakers, headphones or speakerphones.



# 2

## ***Using your Chromebox for meetings***

# Getting started

## Connect a display panel to your *Chromebox for meetings*

You can connect a display panel or projector that has the following connectors:

- HDMI connector
- DisplayPort
- DVI connector (used with an HDMI–DVI adapter)

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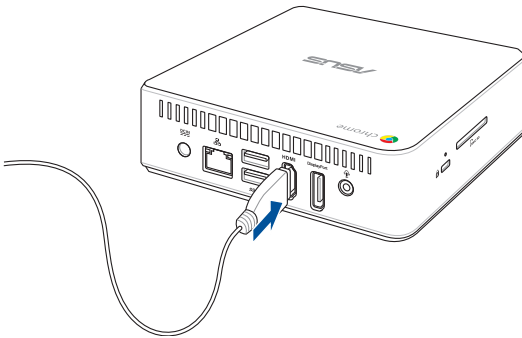
**NOTE:** The HDMI–DVI adapter is purchased separately.

---

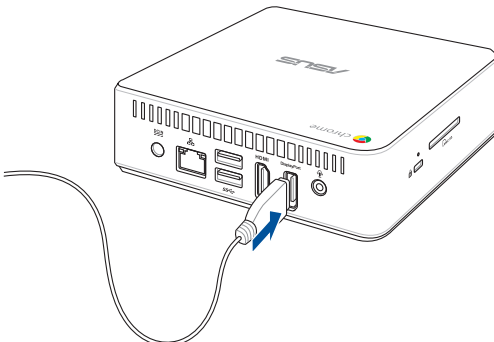
To connect a display panel to your *Chromebox for meetings*:

Connect a display cable either to the HDMI port or the DisplayPort.

Connect display via HDMI port

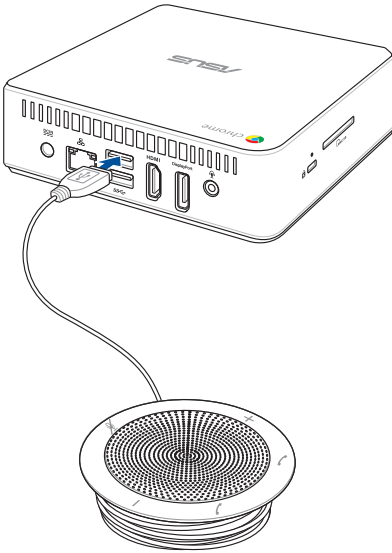


Connect display via DisplayPort



## Connect the speakerphone

You can connect the speakerphone to any of the USB 3.0 ports on your *Chromebox for meetings*.



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**NOTE:** When connecting your speakerphone, you can refer to the following technical documentation: <http://www.jabra.com/products/pc-headsets/jabra-speak-410-series/jabra-speak-410-ms>.

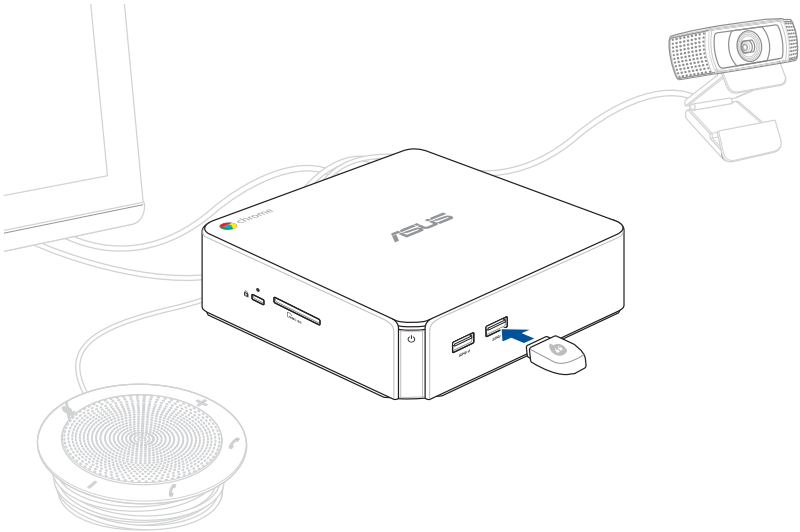
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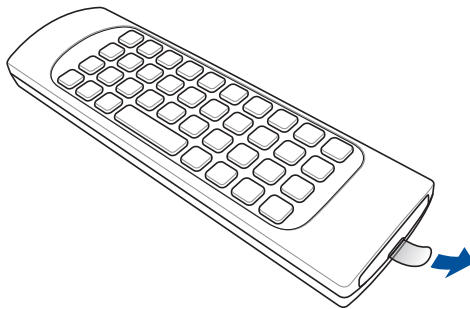


## Connect the remote control receiver

Insert the remote control receiver dongle to the USB 3.0 port on the front panel of your *Chromebox for meetings*.



## Remove the anti-discharge battery protector from remote controller



---

**NOTE:** The remote controller and receiver are paired in the factory and should automatically pair when enabled.

---

## Connect the AC power adapter to your Chromebox for meetings

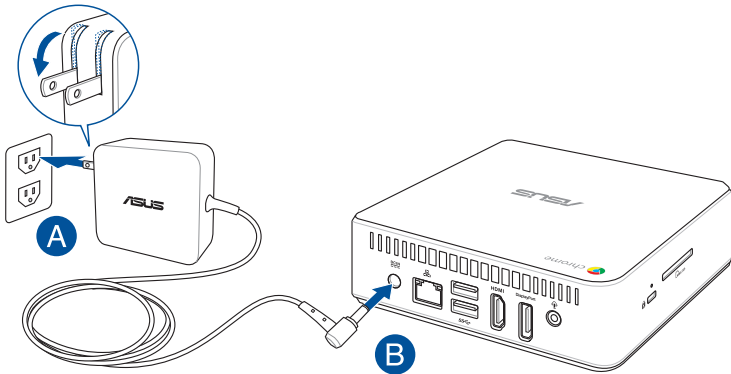
To connect the AC power adapter to your *Chromebox for meetings*:

- A. Plug the AC power cord into a 100 V~240 V power source.
- B. Connect the DC power connector into the power (DC) input port of your *Chromebox for meetings*.

---

**NOTE:** The power adapter may vary in appearance, depending on models and your region.

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**IMPORTANT!**

- We strongly recommend that you use only the AC power adapter that came with your *Chromebox for meetings*.
  - We strongly recommend that you use a grounded wall socket while using your *Chromebox for meetings*.
  - The socket outlet must be easily accessible and near your *Chromebox for meetings*.
  - To disconnect your *Chromebox for meetings* from its main power supply, unplug your *Chromebox for meetings* from the power socket.
- 

**NOTE:**

Power adapter information:

- Input voltage: 100-240 Vac
  - Input frequency: 50-60 Hz
  - Rating output current: 3.42 A (65 W)
  - Rating output voltage: 19 V
-

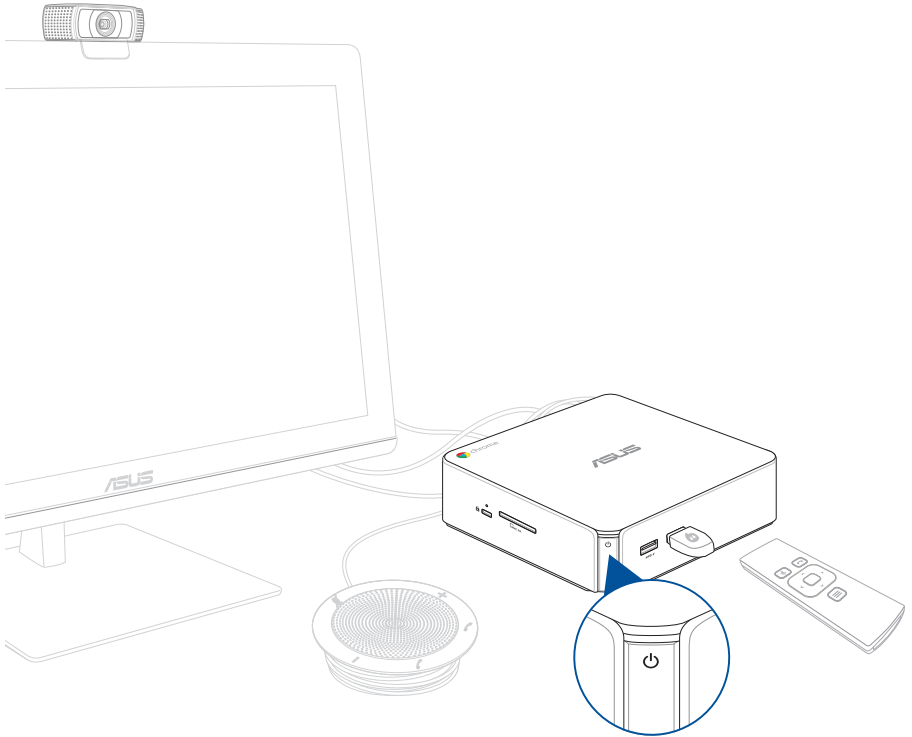
## Turn on your *Chromebox for meetings*

Press the power button to turn on your *Chromebox for meetings*.

---

**IMPORTANT:** Ensure that all peripherals (speakerphone, camera, remote controller and receiver) and AC power adapter are connected properly before you turn on your *Chromebox for meetings*.

---



# 3

## ***Configuring your Chromebox for meetings***

# Before you begin using your device for video conferencing

## Setup requirements

### Room size and setup

Your *Chromebox for meetings* system is designed for a 3-6 person conference room, though it works well in rooms of 2-10 people. We recommend a room that contains either a long table with the monitor at one end (optimal), or a round table. We do not recommend using *Chromebox for meetings* with rooms set up in a classroom style.

The room must have the following:

- Live Ethernet port (for wired network connections)
- AC power outlet

### Network requirements

Your *Chromebox for meetings* device works with both wired and wireless networks. The network requirements are the same as those for Hangouts. In addition, we recommend a minimum bandwidth of 1 mbps or 2 mbps (up/down) for group video conferencing.

---

**TIP:** Although you can use your *Chromebox for meetings* device over a wireless network connection, we recommend using a wired network connection for best sound and video quality.

---

### Space requirements

- For the *Chromebox for meetings* device, you must have a 50 mm x 145 mm x 145 mm / 1.97 in. x 5.71 in. x 5.71 in. (H x W x L) space available to mount the device or place it on a table.
- For the speakerphone, you must have at least a 55 mm x 140 mm x 150 mm / 2.17 in. x 5.51 in. x 5.91 in. (H x W x L) space available to place the unit on the table or mount it on the wall.
- The universal hook mount on the camera fits the width on most standard monitors.

## Display requirements and placement

Your *Chromebox for meetings* work with LCD, LED, plasma, and projector-type monitors and televisions. The display must have an HDMI or DisplayPort input. The screen resolution must be at least 1280 x 720 pixels. For best video quality, we recommend a resolution of 1920 x 1080 pixels.

You can place the display on a table against one wall, or mount the display on a wall or ceiling for a projector unit. Note that if you mount the display, you may need to drill holes and conceal cables. If you have an existing video conferencing system in the room, you may be able to repurpose the existing setup for your *Chromebox for meetings* system.

## Speakerphone placement

The best speakerphone placement depends on the size and layout of the conference room:

- For rooms where participants sit at one end of the room facing the display, we recommend placing the speakerphone at the end of the table closest to the *Chromebox for meetings* and the display.
- In larger rooms where participants sit talking around a table independent of the position of the display, we recommend placing the speakerphone in the center of the table.

## Connectors and accessories

Depending on your setup, you may need the following:

- CAT5e Ethernet cable for wired network connection (included)
- *Chromebox for meetings* wall mount for wall mounting (included)
- USB extension cable for camera for distances exceeding 5 feet (one cable included)
- USB extension cable for speakerphone for distances exceeding 3 feet (one cable included)

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**TIP:** If you need extension cables for both the camera and the speakerphone, you can purchase a second one separately.

---

- Cable concealers, if needed for wall mounting

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**NOTE:** The cable concealers for wall mounting are not included in the package and must be purchased separately.

---

**IMPORTANT:** The included cable for the camera is 5 feet long, and the included cable for the speakerphone is 3 feet long. If your setup of the display, *Chromebox for meetings*, and peripherals requires longer distances, you may need to purchase additional USB extension cables.

---

## Setup your system

### Mount your *Chromebox for meetings*

You can mount your *Chromebox for meetings* behind the display. Use a mounting bracket to attach the *Chromebox for meetings* to your display or to any VESA (100 mm)-compatible location. A mounting bracket comes included with your *Chromebox for meetings* package.

### Place your camera

Place your camera on top of the display.

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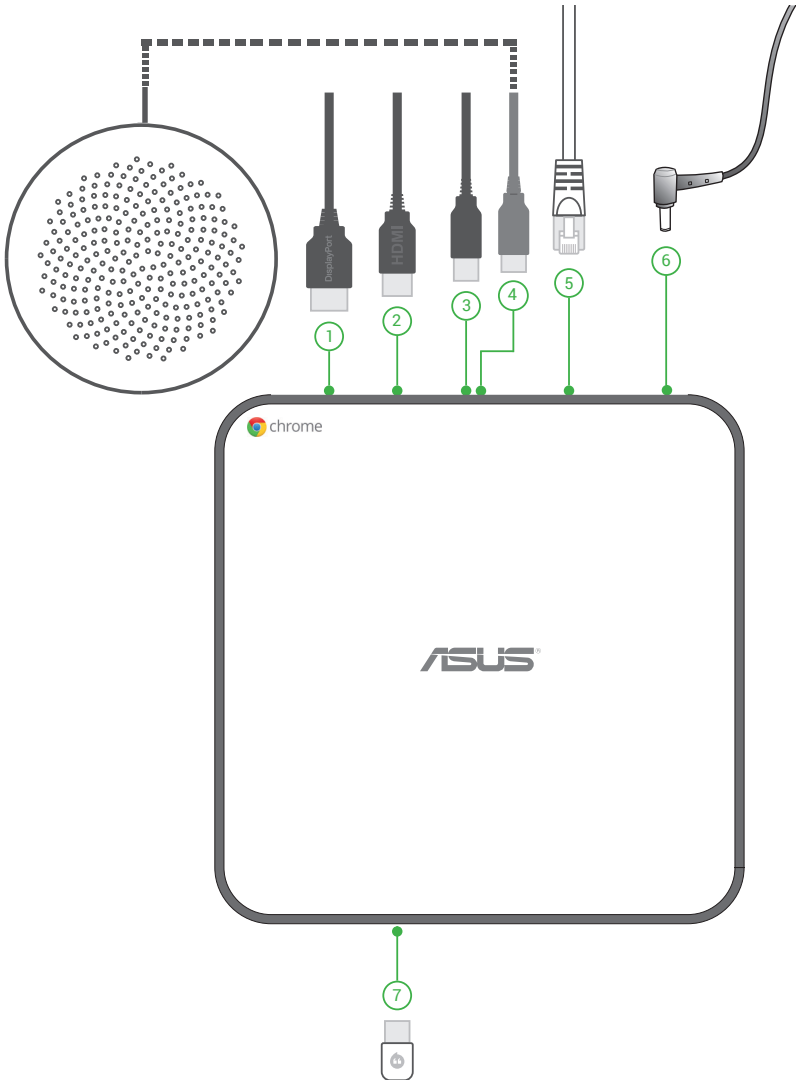
**TIP:** Keep the camera as close to eye level as possible.

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## Connect your cables

Using the included cables and sensor, connect your *Chromebox for meetings* to the other system components:



- 1 DisplayPort connects a display with DisplayPort connector.
- 2 HDMI connects a display with HDMI connector.

- ③ USB 3.0 port connects the camera.
- ④ USB 3.0 port connects the speakerphone assembly.
- ⑤ LAN port connects to a router.

---

**TIP:** Although you can use your *Chromebox for meetings* device over a wireless network connection, we recommend using a wired network connection for best sound and video quality.

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- ⑥ Power port connects to a power outlet.

---

**IMPORTANT:** Be sure to connect to a power outlet last, after you have made all the other connections.

---

- ⑦ USB 3.0 connects to the remote control receiver.

You can find connection instructions for your specific model on the *Chromebox for meetings* [product site](#).

# Enroll your device

## Complete basic enrolment

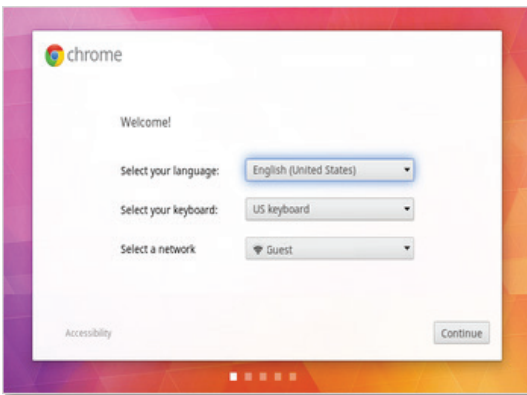
This section explains the basic enrollment flow, which works for almost all users. To learn about other options shown during the enrollment process, see **Select other enrollment options**.

**TIP:** We recommend connecting a USB keyboard to make entering the enrollment information easier. If you're using the remote, here's how to move around on the screen:

- Press right to move to the next field.
- Press left to move back to the previous field.
- Press up or down to scroll the list for each field.
- Press **Select** to make a selection.

To complete basic enrollment:

1. Turn on the display.
2. Turn on the *Chromebox for meetings*.
3. Verify or change your language, keyboard layout, and network.



**TIP:** If your network doesn't appear in the **Select a network** list, select **Join Network** and enter the correct settings. Ask your network administrator for the settings if you don't know them.

4. Select **Continue**.
5. **Accept** the Google Chrome OS Terms.
6. Sign in with your Google Apps email address and password.

---

**TIP:** If you use the remote to enter your password, the entire password may be revealed onscreen. Use a USB keyboard to have your password hidden as you type.

---

7. The enrollment process takes place automatically. After the process is complete, click **Done**.
8. When the Hangouts screen appears, follow the onscreen instructions to test your camera and speakerphone.



---

**TIP:**

If you can't see video or hear audio during the test:

- Ensure that your camera and speakerphone were connected to your *Chromebox for meetings* before you turned on your device.
  - Ensure that your camera and speakerphone are connected to your device properly.
  - Unplug the cables and plug them in again, then restart your device.
-

9. Click through the screens to view tips on using *Chromebox for meetings*.

At the end of device enrollment, the screen displays a URL for this device's page in the *Chromebox for meetings* Admin console. Using this URL, an admin user must add the room's online calendar to the device to enable scheduled meetings.

## Select other enrollment options

Most users can go through the simple enrollment flow described in [Complete basic enrollment](#). Options are available for users who want to customize the setup experience or learn more. These options appear on the second enrollment screen, except for accessibility, which appears on both the first and second screens:

**Accessibility.** Accessibility options include larger font and cursor size, voice prompts, and more. The options you select here apply to the setup process only, not to using *Chromebox for meetings*.

To select the Accessibility link using the remote, navigate to the **Continue** or **Accept and continue** button and then press right.

**Send usage and crash info to Google.** Allowing your device to send info to Google helps us improve the Chrome OS experience for all users. To learn more about this option, click the **Learn more** link onscreen.

**System security setting:** Read more about the *Chromebox for meetings* security settings.

**Google Chrome OS Terms:** If you're using the remote, navigate to the Accept and continue button and then press right to move the cursor inside the terms window. Once you're inside the window, you can scroll up and down to review the terms.

# Making a video call

## Create a video call

Scheduling a meeting that includes a video call is easy. Your Calendar invitation will include everything people need to join from a room or from a personal device.

1. Sign in using your Google Apps account.
2. Open Google Calendar or enter [google.com/calendar](https://google.com/calendar) in the address bar.
3. Click **Create** to schedule an event.
4. Include event details—the event title, date, time, and guests.
5. Click **Rooms, etc.** on the right side of the the page.
6. Include the name of a room with a *Chromebox for meetings* device, and then click **Add**.
7. After booking a room, click **Add video call**.
8. Name the video call anything you want, but keep the name short and distinct. (The name has to be 15 characters or fewer.)
9. Click **Save** to send others an invitation that includes a link to the video call.

## Leave a video call

Even if you're the person who set up the video call, leaving the call doesn't mean that you're ending the call for everyone in the meeting. It just means that you are leaving. The video call keeps going until the last person leaves it.

### From a room

Press the red handset icon on the remote control or the speaker.

# Manage devices and rooms

## Check Admin console settings for Google Video Conferencing devices

To manage *Chromebox for meetings* devices from the Admin console, you need to make sure your time zone is set correctly. You can also choose to reboot your *Chromebox for meetings* devices at a scheduled interval.

1. From a laptop or other device, [sign in to the Google Admin console](#).
2. Click **Device management**, and then, to the right of **Hangouts device management**, click **Settings**.
3. (Optional) In the **Scheduled reboot** field, enter the number of days before a reboot takes place. For example, if you want to reboot your devices every five days, enter **5**.
4. In the **Time Zone** field at the bottom of the screen, make sure your correct time zone is selected.

## Associate your Google Video Conferencing device with the room's online calendar

After a user enrolls a *Chromebox for meetings* device in a room, an admin user needs to associate the device with that room's online calendar. This allows users to schedule video conferences using the *Chromebox for meetings*.

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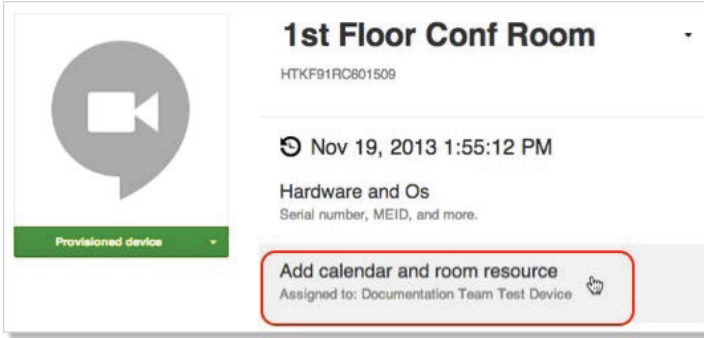
**TIP:** You don't need to associate a *Chromebox for meetings* device with the room's calendar to use the device for ad hoc meetings.

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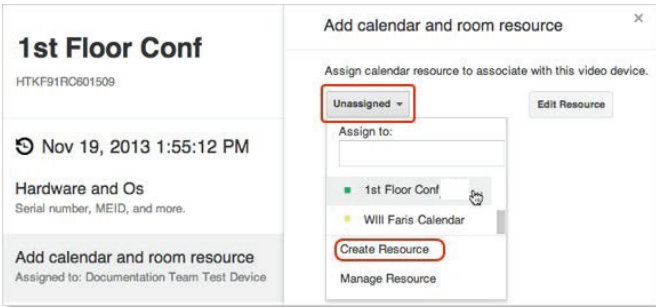
At the end of device enrollment, the screen displays a URL for the *Chromebox for meetings* Admin console. Follow these steps if you're an admin user:

1. From a laptop or other device, copy the Admin console URL into a web browser.
2. When the login screen appears, sign in to the Admin console using your Google Apps account. You won't see this screen if you are already signed in to your account.

3. The device management screen for your *Chromebox for meetings* device appears. Click **Add calendar and room resource**.



4. On the right side of the screen, click **Unassigned** and do one of the following:

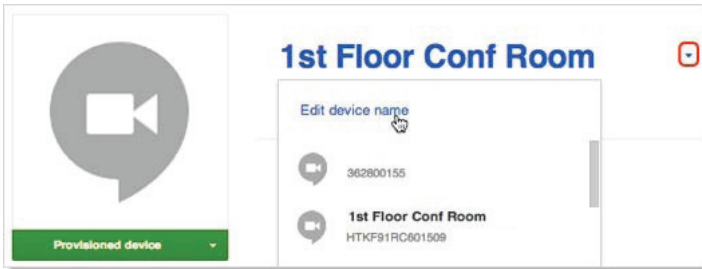


- If the room where the *Chromebox for meetings* device is located appears in the list, click the room name. Click **Save**.
- If the room does not appear in the list, click **Create Resource**. Enter the room name and, optionally, the resource type and a description. Click **Save**. To associate your *Chromebox for meetings* device with the room's calendar, click **Unassigned**, click the room name, and click **Save**.

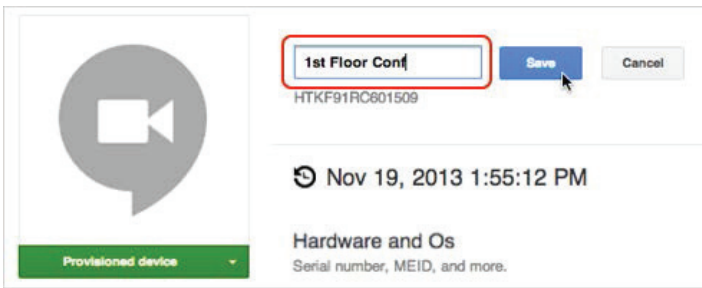


## Edit the device name

1. From a laptop or other device, [sign in to the Google Admin console](#).
2. Click **Device management**, then, to the right of **Hangouts device management**, click **Devices**.
3. A screen appears showing active *Chromebox for meetings* devices. Click the device that you want to rename.
4. Click the arrow to the right of the device name.



5. Click **Edit device name**.
6. Enter the new name and click **Save**.



7. A screen appears asking if you want to update the calendar resource name to match the new device name. Select **Yes** or **No**.

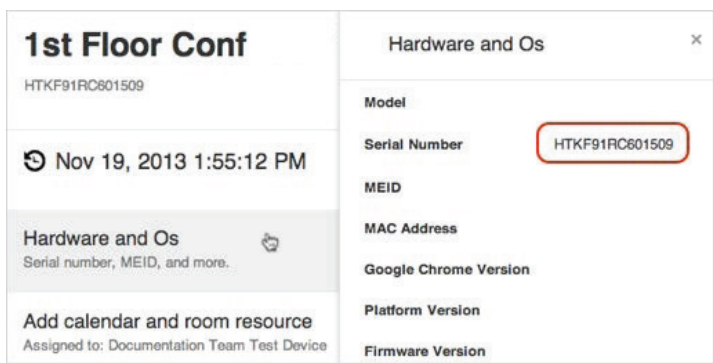
---

**TIP:** Having the device name match the calendar resource name makes it easy to identify which resource goes with which device.

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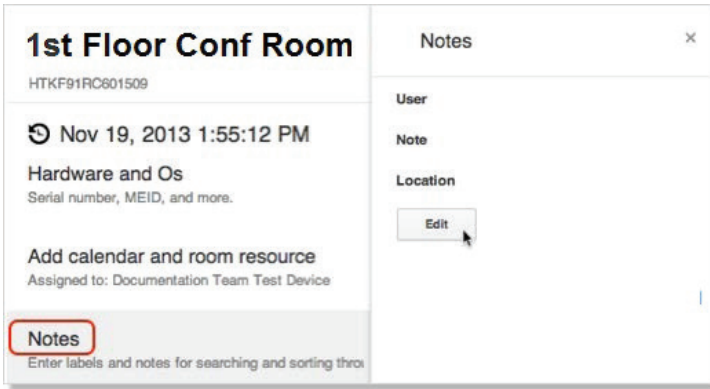
## View device information

1. From a laptop or other device, [sign in to the Google Admin console](#).
2. Click **Device management**, and then, to the right of **Hangouts device management**, click **Devices**.
3. A screen appears showing active *Chromebox for meetings* devices. Click the device whose information you want to view.
4. Click **Hardware and Os**. The right side of the screen displays device information including the model, serial number, MEID, and more.



## Enter identifying information about your device

1. From a laptop or other device, [sign in to the Google Admin console](#).
2. Click **Device management**, and then, to the right of **Hangouts device management**, click **Devices**.
3. A screen appears showing active *Chromebox for meetings* devices. Click the device for which you want to add information.
4. Click **Notes**.



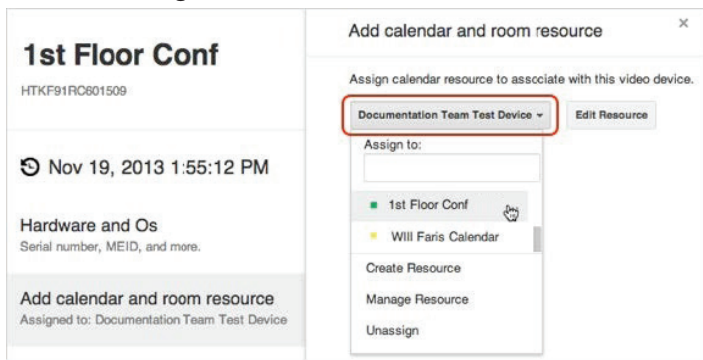
5. On the right side of the screen, click **Edit**.
6. Enter the information you want in the **User**, **Note**, and/or **Location** field.
7. Click **Save**.

## Associate your device with a different room's calendar, or unassign the device from any room

If you move your *Chromebox for meetings* device to a different room, you need to assign the device to that new room's calendar.

Alternatively, if you stop using a *Chromebox for meetings* device, you can unassign the device from any room.

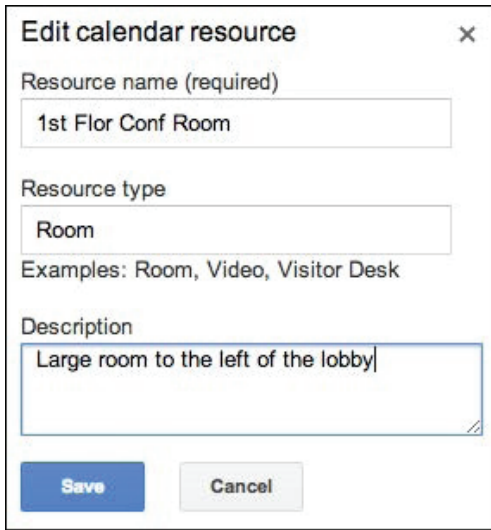
1. From a laptop or other device, [sign in to the Google Admin console](#).
2. Click **Device management**, and then, to the right of **Hangouts device management**, click **Devices**.
3. A screen appears showing active *Chromebox for meetings* devices. Click the device that you want to reassign or unassign.
4. Click **Add calendar and room resource**.
5. On the right side of the screen, click the room to which the *Chromebox for meetings* device is currently associated and do one of the following:



- To associate your *Chromebox for meetings* device with another room's calendar, click the room name.
  - To unassign your *Chromebox for meetings* device from any room, click **Unassign**.
6. Click **Save**.

## Edit a room name, type, or description

1. From a laptop or other device, [sign in to the Google Admin console](#).
2. Click **Device management**, and then, to the right of **Hangouts device management**, click **Devices**.
3. A screen appears showing active *Chromebox for meetings* devices. Click the device that is in the room whose information you want to edit.
4. Click **Add calendar and room resource**.
5. On the right side of the screen, do one of the following:
  - To edit the currently assigned room, click **Edit Resource** to the right of the room name. Edit the name, type, and/or description as desired, and click **Save**.



The image shows a dialog box titled "Edit calendar resource" with a close button (X) in the top right corner. It contains three input fields: "Resource name (required)" with the text "1st Flor Conf Room", "Resource type" with the text "Room", and "Description" with the text "Large room to the left of the lobby". Below the "Resource type" field, there are examples: "Examples: Room, Video, Visitor Desk". At the bottom of the dialog box, there are two buttons: "Save" (highlighted in blue) and "Cancel".

- To edit a different room or other resource, click the currently assigned room name and click **Manage Resource**. This takes you to the Calendar settings page where you can edit a resource's name, type, or description; create a new resource; or delete a resource.



# *Troubleshooting*

# Fix a problem

## Manage devices and rooms

### **I do not know how to identify the *Chromebox for meetings* device I want on the device list screen.**

If you are not sure which device to click, you can identify the correct one by its serial number. you can find your device's serial number on the card that was included in the box and on the bottom of the device itself.

## Help and support

Visit [support.google.com/video-conferencing](https://support.google.com/video-conferencing) for more detailed set-up and provisioning instructions, customizable table mats, or to print guides for your users.



# ***Appendix***

## Safety information

Your *Chromebox for meetings* is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

### Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0°C to 35°C.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

### Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on your system.
- When the system is turned off, a small amount of electrical current still flows. Always unplug the power cord from the power outlets before cleaning the system.
- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
  - The power cord or plug is damaged.
  - Liquid has been spilled into the system.
  - The system does not function properly even if you follow the operating instructions.

- The system was dropped or the cabinet is damaged.
- The system performance changes.

### Lithium-Ion Battery Warning

**CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.



### Do not ingest battery, chemical burn hazard

The remote control supplied with this product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and lead to death.

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

### NO DISASSEMBLY

**The warranty does not apply to the products that have been disassembled by users**



**DO NOT** throw the *Chromebox for meetings* in municipal waste.

This product has been designed to enable proper reuse of parts and recycling. This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Check local technical support services for product recycling.

# Regulatory notices

## REACH

Complying with the REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals) regulatory framework, we publish the chemical substances in our products at ASUS REACH website at <http://csr.asus.com/english/REACH.htm>.

## ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components, as well as the packaging materials. Please go to <http://csr.asus.com/english/Takeback.htm> for the detailed recycling information in different regions.

## COATING NOTICE

**IMPORTANT!** To provide electrical insulation and maintain electrical safety, a coating is applied to insulate the device except on the areas where the I/O ports are located.

## Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**CAUTION:** Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

### **RF exposure warning**

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

## Declaration of Conformity (R&TTE directive 1999/5/EC)

The following items were completed and are considered relevant and sufficient:

- Essential requirements as in [Article 3]
- Protection requirements for health and safety as in [Article 3.1a]
- Testing for electric safety according to [EN 60950]
- Protection requirements for electromagnetic compatibility in [Article 3.1b]
- Testing for electromagnetic compatibility according to [EN 301 489-1] & [EN 301 489-17]
- Effective use of the radio spectrum as in [Article 3.2]
- Radio test suites according to [EN 300 328-2]

## France Restricted Wireless Frequency Bands

Some areas of France have a restricted frequency band. The worst case maximum authorized power indoors are:

- 10 mW for the entire 2.4 GHz band (2400 MHz–2483.5 MHz)
- 100 mW for frequencies between 2446.5 MHz and 2483.5 MHz

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**NOTE:** Channels 10 through 13 inclusive operate in the band 2446.6 MHz to 2483.5 MHz.

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There are few possibilities for outdoor use: On private property or on the private property of public persons, use is subject to a preliminary authorization procedure by the Ministry of Defense, with maximum authorized power of 100mW in the 2446.5–2483.5 MHz band. Use outdoors on public property is not permitted.

In the departments listed below, for the entire 2.4 GHz band:

- Maximum authorized power indoors is 100 mW
- Maximum authorized power outdoors is 10 mW

Departments in which the use of the 2400–2483.5 MHz band is permitted with an EIRP of less than 100 mW indoors and less than 10 mW outdoors:

01	Ain	02	Aisne	03	Allier
05	Hautes Alpes	08	Ardennes	09	Ariège
11	Aude	12	Aveyron	16	Charente
24	Dordogne	25	Doubs	26	Drôme
32	Gers	36	Indre	37	Indre et Loire
41	Loir et Cher	45	Loiret	50	Manche
55	Meuse	58	Nièvre	59	Nord
60	Oise	61	Orne	63	Puy du Dôme
64	Pyrénées Atlantique	66	Pyrénées Orientales	67	Bas Rhin
70	Haute Saône	71	Saône et Loire	75	Paris
82	Tarn et Garonne	84	Vaucluse	88	Vosges
89	Yonne	90	Territoire de Belfort	94	Val de Marne

This requirement is likely to change over time, allowing you to use your wireless LAN card in more areas within France. Please check with ART for the latest information ([www.art-telecom.fr](http://www.art-telecom.fr)).

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**NOTE:** Your WLAN Card transmits less than 100 mW, but more than 10 mW.

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## **Canadian Department of Communications Statement**

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

## **IC Radiation Exposure Statement for Canada**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with IC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting. End users must follow the specific operating instructions for satisfying RF exposure compliance.

Operation is subject to the following two conditions:

- This device may not cause interference and
- This device must accept any interference, including interference that may cause undesired operation of the device.



## CE Mark Warning



### CE marking for devices without wireless LAN/Bluetooth

The shipped version of this device complies with the requirements of the EEC directives 2004/108/EC “Electromagnetic compatibility” and 2006/95/EC “Low voltage directive”.



### CE marking for devices with wireless LAN/ Bluetooth

This equipment complies with the requirements of Directive 1999/5/EC of the European Parliament and Commission from 9 March, 1999 governing Radio and Telecommunications Equipment and mutual recognition of conformity.

## Wireless Operation Channel for Different Domains

N. America	2.412-2.462 GHz	Ch01 through CH11
Japan	2.412-2.484 GHz	Ch01 through Ch14
Europe ETSI	2.412-2.472 GHz	Ch01 through Ch13

# ASUS contact information

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