



Chromebox CN Series

User Guide



E13173

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About this user guide

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

Chapter 1: Getting to know your Chromebox

This chapter details the hardware components of your Chromebox.

Chapter 2: Using your Chromebox

This chapter provides you with information on using your Chromebox.

Appendix

This section includes notices and safety statements for your Chromebox.

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 and tips 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 Chromebox's data and components.

Typography

Bold text

Indicates a menu or an item to select.

Italic

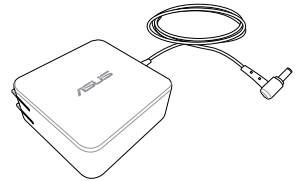
This indicates sections that you can refer to in this user guide.

Package contents

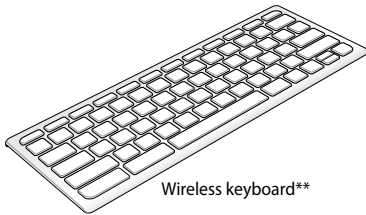
Your Chromebox package contains the following items:



Chromebox CN Series



AC power adapter*



Wireless keyboard**



Technical documentations



Wireless mouse**



USB dongle for wireless keyboard and mouse**

NOTE:

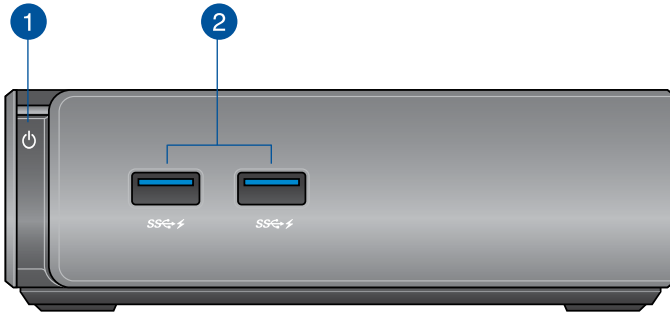
- *The bundled power adapter may vary with territories.
 - **The availability of these accessories may vary with your Chromebox package.
 - Some bundled accessories may vary with different models. For details on these accessories, refer to their respective user manuals.
 - If the device or its components 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.
-

1

***Getting to know your
Chromebox***

Features

Front view



1



Power button

The power button allows you to turn the Chromebox on or off. You can use the power button to put your Chromebox to sleep mode or press it for four (4) seconds to force shutdown your Chromebox.

IMPORTANT! Forcing the system to restart may result to data loss. We strongly recommend that you back up your data regularly.

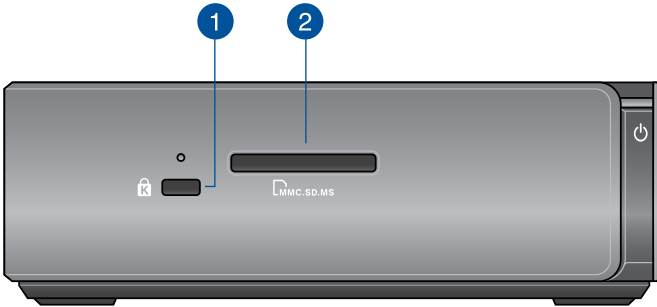
2





USB 3.0 ports

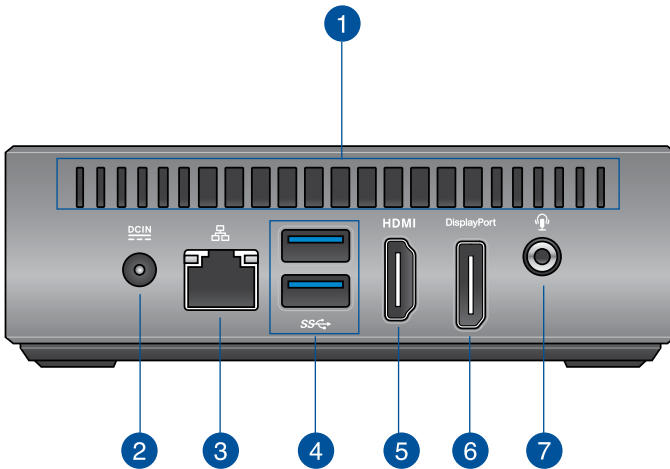
These USB (Universal Serial Bus) 3.0 ports provide a transfer rate of up to 5 Gbit/s and are backward compatible with USB 2.0. These ports also support the Battery Charging 1.2 technology that allows you to charge your USB devices.

Left side view



- 1**  **Kensington security slot**
The Kensington security slot allows you to secure your Chromebox using Kensington® security products.
- 2**  **Memory card slot**
The built-in memory card reader enables your Chromebox 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 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 jack. Power supplied through this jack supplies power to the Chromebox. To prevent damage to the Chromebox, 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 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

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

7



Headphone/Audio Out jack

The stereo headphone jack is used to connect the system's audio out signal to amplified speakers or headphones.

Using your Chromebox

2

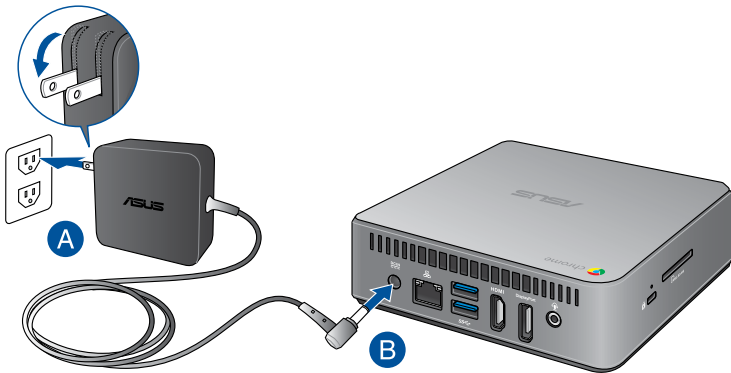
Getting started

Connect the AC power adapter to your Chromebox

To connect the AC power adapter to your Chromebox:

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

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



IMPORTANT!

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

Connect a display panel to your Chromebox

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

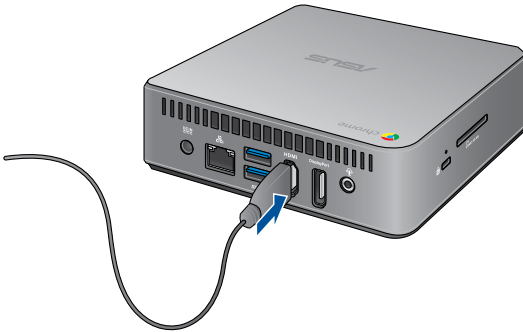
- HDMI connector
- DisplayPort
- DVI connector (used with an HDMI–DVI adapter)

NOTE: The HDMI–DVI adapter is sold separately.

To connect a display panel to your Chromebox:

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

Connect display via HDMI port



Connect display via DisplayPort



Connect the wireless keyboard and mouse

Connect the USB dongle to use the bundled wireless keyboard and mouse.

NOTE: You can also connect any USB keyboard and mouse to your Chromebox.

To connect a keyboard and mouse to your Chromebox:

Connect the USB dongle of your keyboard and mouse to any of the USB 3.0 ports on the rear side of your Chromebox.

Connect the USB dongle of the keyboard and mouse via the USB 3.0 port



Turn on your Chromebox

Press the power button to turn on your Chromebox.



Appendix

Safety information

Your Chromebox 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 and 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.
- This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

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.

NO DISASSEMBLY

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



DO NOT throw the Chromebox 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.

ISED Radiation Exposure Statement for Canada

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with ISED 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.

Compliance Statement of Innovation, Science and Economic Development Canada (ISED)

This Class B digital apparatus complies with Canadian ICES-003, RSS-210, and CAN ICES-3(B)/NMB-3(B).

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Déclaration de conformité de Innovation, Sciences et Développement économique Canada (ISED)

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003, RSS-210 et CAN ICES-3(B)/NMB-3(B).

Cet appareil est conforme aux normes CNR exemptes de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité de l'appareil.

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

Regional notice for Singapore

Complies with
IMDA Standards
DB103778

This ASUS product complies with IMDA Standards.

Regional notice for California



WARNING

Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

ENERGY STAR complied product



ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

All ASUS products with the ENERGY STAR logo comply with the ENERGY STAR standard, and the power management feature is enabled by default. The monitor and computer are automatically set to sleep after 10 and 30 minutes of user inactivity. To wake your computer, click the mouse or press any key on the keyboard.

Please visit <http://www.energystar.gov/powermanagement> for detail information on power management and its benefits to the environment. In addition, please visit <http://www.energystar.gov> for detail information on the ENERGY STAR joint program.

NOTE: Energy Star is NOT supported on FreeDOS and Linux-based products.

ASUS contact information

ASUSTeK COMPUTER INC.

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Web site <http://www.asus.com>

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Fax +86-21-5866-8722, ext. 9101#
Online support <http://qr.asus.com/techserv>

ASUS COMPUTER INTERNATIONAL (America)

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Telephone +1-510-739-3777
Fax +1-510-608-4555
Web site <http://usa.asus.com>

Technical Support

Support fax +1-812-284-0883
General support +1-812-282-2787
Online support <http://qr.asus.com/techserv>

ASUS COMPUTER GmbH (Germany and Austria)

Address Harkort Str. 21-23, D-40880 Ratingen, Germany
Fax +49-2102-959931
Web site <http://www.asus.com/de>
Online contact <http://eu-rma.asus.com/sales>

Technical Support

Telephone +49-2102-5789555
Support Fax +49-2102-959911
Online support <http://qr.asus.com/techserv>

Manufacturer	ASUSTeK Computer Inc.	
	Tel:	+886-2-2894-3447
	Address:	4F, No. 150, LI-TE RD., PEITOU, TAIPEI 112, TAIWAN
Authorised representative in Europe	ASUSTeK Computer GmbH	
	Address:	HARKORT STR. 21-23, 40880 RATINGEN, GERMANY

DECLARATION OF CONFORMITY

Per FCC Part 2 Section 2. 1077(a)



Responsible Party Name: Asus Computer International

Address: 800 Corporate Way, Fremont, CA 94539.

Phone/Fax No: (510)739-3777/(510)608-4555

hereby declares that the product

Product Name : Chromebox

Model Number : Chromebox XXXXXXXXXXXXXXXXXXXXXXXX
(X can be 0-9,a~z,A~Z,-, / or blank)

Conforms to the following specifications:

FCC Part 15, Subpart B, Unintentional Radiators

Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name : Steve Chang / President

A handwritten signature in blue ink that reads "Steve Chang".

Signature :

Date : Feb. 27, 2014

DECLARATION OF CONFORMITY

Per FCC Part 2 Section 2. 1077(a)



Responsible Party Name: **Asus Computer International**

Address: **800 Corporate Way, Fremont, CA 94539.**

Phone/Fax No: **(510)739-3777/(510)608-4555**

hereby declares that the product

Product Name : **Chromebox**

Model Number : **Chromebox XXXXXXXXXXXXXXXXXXXXXXXX**
(X can be 0~9,a~z,A~Z,- , / or blank)

Conforms to the following specifications:

FCC Part 15, Subpart B, Unintentional Radiators

Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name : Steve Chang / President

Signature :

Original Declaration Date : Jul. 2, 2014
Corrected Declaration Date : Apr. 24, 2015