



# WAVI

(Wireless Audio Video Interface)



**WAVI receiver**



**WAVI transmitter**

## User Manual

**Copyright © 2011 ASUSTeK Computer Inc. All Rights Reserved.** No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of ASUSTeK Computer Inc. ("ASUS").

Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification or alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

ASUS PROVIDES THIS MANUAL "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL ASUS, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSINESS AND THE LIKE), EVEN IF ASUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ARISING FROM ANY DEFECT OR ERROR IN THIS MANUAL OR PRODUCT.

SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FURNISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE, AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY ASUS. ASUS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS OR INACCURACIES THAT MAY APPEAR IN THIS MANUAL, INCLUDING THE PRODUCTS AND SOFTWARE DESCRIBED IN IT.

Products and corporate names appearing in this manual may or may not be registered trademarks or copyrights of their respective companies, and are used only for identification or explanation and to the owners' benefit, without intent to infringe.

## Table of Contents

Safety information .....	4
ASUS WAVI Specifications summary .....	5
Getting to know your ASUS WAVI .....	6
Package contents .....	6
WAVI features .....	7
Receiver .....	7
Transmitter .....	7
Using your ASUS WAVI .....	8
Notices .....	10
ASUS Contact information .....	13

## Safety information



**SAFE TEMP:** The ASUS WAVEI should only be used in environments with ambient temperatures between 5°C (41°F) and 35°C (95°F).



DO NOT expose to dirty or dusty environments. DO NOT operate during a gas leak.



DO NOT expose to or use near liquids, rain, or moisture.



DO NOT place or drop objects on top and do not shove any foreign objects into the ASUS WAVEI.



DO NOT expose to strong magnetic or electrical fields.



DO NOT throw the ASUS WAVEI in municipal waste. Check local regulations for disposal of electronic products.

# ASUS WAVI Specifications summary

<b>Resolution</b>	TV: 1080p, 1080i, 720p, 576p, 480p 3D Video: 1080p @ 24Hz
<b>Audio</b>	7.1 channels 192 KHz 24-bit, AC-3 and DTS Dolby
<b>Wireless HDMI technology</b>	AMIMON WHDI 5GHz 4T1R (256-bit or 128-bit AES encryption)
<b>Transmission distance</b>	up to 25 meters (Line of sight)
<b>Delay time</b>	<1ms
<b>Power supply</b>	Transmitter and Receiver: 12V, 2A 24W adapters
<b>Power consumption</b>	Transmitter and Receiver: 24W
<b>I/O ports</b>	<p><b>Transmitter:</b></p> <ul style="list-style-type: none"> <li>- USB port x 1 (for connecting to a computer's USB port)</li> <li>- HDMI port x 1</li> <li>- DC-In port x 1</li> <li>- Power LED x 1*</li> <li>- WiFi LED x 1*</li> </ul> <p><b>Receiver:</b></p> <ul style="list-style-type: none"> <li>- LAN port x 1</li> <li>- USB ports x 2</li> <li>- HDMI port x 1</li> <li>- DC-In port x 1</li> <li>- Power LED x 1*</li> <li>- WiFi LED x 1*</li> </ul> <p>* The power LED / WiFi LED turns blue to indicate successful connection and turns orange if the connection was failed. The signal strength will be displayed on the screen.</p>



**NOTE:** Specifications are subject to change without prior notice.






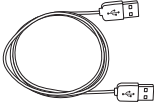

## Getting to know your ASUS WAVI

ASUS WAVI allows you to wirelessly extend or share your audio/video sources from your computer to a high-definition external display up to 25 meters (within line of sight) for a latency-free (<1ms) full high-definition 1080p video and crystal-clear audio transmissions. It allows you to enjoy video games and movies from your computer to your high-definition external display.



**NOTE:** For a full 1080p wireless high-definition audio and video transmissions up to 25 meters, ensure that the receiver is positioned within a clear line of sight to the transmitter.

## Package contents

			
<b>WAVI receiver</b>	<b>WAVI transmitter</b>	<b>AC adapter x 2</b>	<b>Support CD (User Manual &amp; Driver)</b>
			
<b>HDMI cable x 2</b>	<b>USB cable</b>	<b>Quick Start Guide</b>	



### NOTES:

- If any of the items is damaged or missing, contact your retailer.
- For more details on using ASUS WAVI, refer to its user manual.

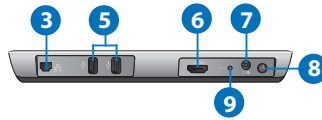
# WAVI features

## Receiver

### Front view



### Rear view

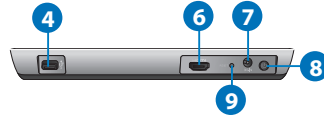


## Transmitter

### Front view



### Rear view

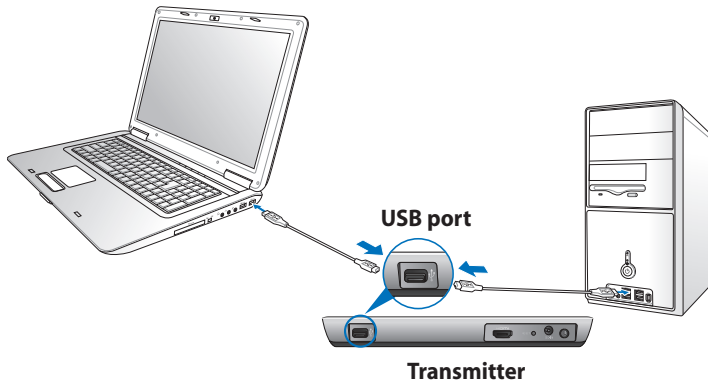


1	Power LED	6	HDMI port
2	WiFi LED	7	DC-In port
3	LAN port (for firmware update only)	8	Power button
4	USB port (connect to PC)	9	Reset button
5	USB ports (connect to other devices)		

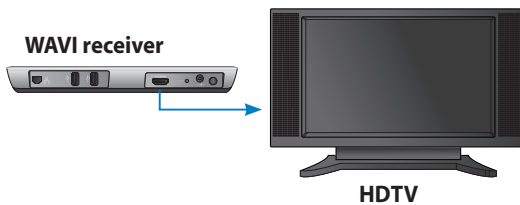
# Using your ASUS WAVI

## To use your ASUS WAVI:

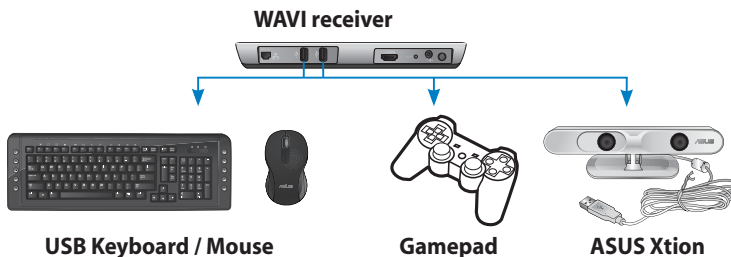
1. Install the WAVI driver from the bundled support CD.
2. Using the bundled USB cable, connect your WAVI transmitter's USB port to your notebook or desktop PC's USB port.



3. Using the bundled HDMI cable, connect your WAVI transmitter's HDMI port to your notebook or desktop PC's HDMI port.
4. Connect your TV to your WAVI receiver using the bundled HDMI cable, and then set your TV to HDMI mode.



5. If you want to use other devices, connect them to your WAVI receiver as shown below.





See the table below for the supported wireless keyboard and mouse models.

Brand	Wireless keyboard and mouse models	
ASUS	WT400	WT410
	WT45	WT450
	W4000	BX700
	W4500	M-A65



**NOTE:** The above list is subject to change without prior notice.



**NOTE:** Do not connect a USB flash drive to your WAVI receiver.

6. Turn on your WAVI transmitter and receiver.



**IMPORTANT!** Ensure that you connect the bundled AC adapters to the WAVI transmitter and receiver. Ensure that you plug the bundled AC adapters to the correct power rating.



**NOTE:** The power LED / WiFi LED turns blue to indicate successful connection and turns orange if the connection was failed.

7. Set your notebook or desktop PC's default sound playback device to HDMI output.



**NOTES:**

To change the audio settings:

- For Windows 7 / Vista, click **Control Panel > Hardware and Sound > Sound**. From the Playback tab, select HDMI output as the default sound playback device.
- For Windows XP, click **Control Panel > Sounds and Audio devices > Audio**. Select HDMI output under Sound Playback.

## Notices

### REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at

<http://csr.asus.com/english/REACH.htm>.

### Federal Communications Commission Interference Statement

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

- This device may not cause harmful interference.
- 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 Federal Communications Commission (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 the 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 into 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 party responsible for compliance could void the user's authority to operate the equipment.

---

## FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. If the device is going to be operated in 5.15 ~ 5.25GHz frequency range, then it is restricted to an indoor environment only.

### RF Exposure warning

- The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.
- The equipment must be co-located or operated in conjunction with any other antenna or transmitter.

## 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.
- This device must accept any interference, including interference that may cause undesired operation of the device.

This device should be used only as specified within this manual to meet RF exposure requirements. Using this device in a manner inconsistent with this manual could lead to excessive RF exposure conditions.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/CANADA.

If the device is going to be operated in 5.15 ~ 5.25GHz frequency range, then it is restricted to an indoor environment only.

This Class [B] digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada

## NCC警語

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、

加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即

停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

在 5.25-5.35 兆赫頻帶內操作之無線資訊傳輸設備，限於室內使用。

無線資訊傳輸設備忍受合法通信之干擾且不得干擾合法通信；如造成干擾，應立即停用，俟無干擾之虞，始得繼續使用。

無線資訊傳輸設備的製造廠商應確保頻率穩定性，如依製造廠商使用手冊上所述正常操作，發射的信號應維持於操作頻帶中

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

Hereby, ASUS declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC.

This device will be sold in the following EEA (European Economic Area) countries: **Austria, Italy, Belgium, Liechtenstein, Denmark, Luxembourg, Finland, Netherlands, France, Norway, Germany, Portugal, Greece, Spain, Iceland, Sweden, Ireland, United Kingdom, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Slovakia, Poland, and Slovenia.**

## CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



**CAUTION:** The device for the band 5150-5350 MHz is only for indoor use.

## ASUS Contact information

### ASUSTeK COMPUTER INC. (Asia Pacific)

Address 15 Li-Te Road, Peitou, Taipei, Taiwan 11259  
Telephone +886-2-2894-3447  
Fax +886-2-2890-7798  
Website [www.asus.com.tw](http://www.asus.com.tw)

#### Technical Support

Telephone +86-21-3842-9911  
Online support [support.asus.com](http://support.asus.com)

### ASUS COMPUTER INTERNATIONAL (America)

Address 800 Corporate Way, Fremont, CA 94539, USA  
Telephone +1-510-739-3777  
Fax +1-510-608-4555  
Website [usa.asus.com](http://usa.asus.com)

#### Technical Support

Telephone +1-812-282-2787  
Support fax +1-812-284-0883  
Online support [support.asus.com](http://support.asus.com)

### ASUS COMPUTER GmbH (Germany and Austria)

Address Harkort Str. 21-23, D-40880 Ratingen, Germany  
Fax +49-2102-9599-11  
Online contact [www.asus.com.de/sales](http://www.asus.com.de/sales)

#### Technical Support

Telephone (Component) +49-1805-010923\*  
Telephone (System/  
Notebook/Eee/LCD) +49-1805-010920\*  
Support fax +49-2102-959911  
Online support [www.asus.com.de/support](http://www.asus.com.de/support)  
Website [www.asus.com.de/news](http://www.asus.com.de/news)

\* EUR 0.14/minute from a German fixed landline; EUR 0.42/minute from a mobile phone.

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