Status bar icons

	Playing music
	Communicating via USB
	Connecting/using wireless LAN
	Scanning microSD card
	Battery charge status
	Charging
	Download complete
	Dolby Digital Plus is on
	Unmounting microSD card
	Connecting with MOVERIO Mirror Source mode
	No connection with MOVERIO Mirror Source mode
	Connecting with MOVERIO Mirror Sink mode
	No connection with MOVERIO Mirror Sink mode

Preinstalled applications

See the Reference Guide for more details on each application.

	Gallery ➡ **on page 27 (this guide)**
	Music
	Browser ➡ **on page 28 (this guide)**
SEV	SE Viewer
	MOVERIO Air ➡ **on page 29 (this guide)**
	MOVERIO Mirror ➡ **on page 31 (this guide)**
TBD	Live Wallpapers
	Calendar
	Find

	User
	Voice Recorder
	Calculator
	Email
	Camera
	Clock
	Downloads
	Settings
TBD	EPSON Market

Available widgets

Widgets are small applications that display information on the Home screen. The following widgets are available for this product.

Analog clock
Bookmark
Calendar
Contacts
Email
Music
Music playlist
Power control
Find
Settings
MOVERIO Mirror

Initial Settings

Make the following settings before using the product.

Setting up network

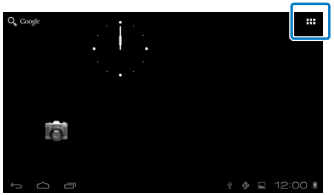
Setup Wi-Fi so that the product can connect to the Internet over a wireless LAN environment.

Note

Check the following before setting up.

- The SSID (network name) for the wireless LAN access point or public wireless LAN service you want to connect to.
- The password to connect to the network if security has been enabled.

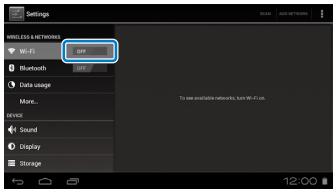
1 Tap [ ] on the Home screen.



The APPS list screen is displayed.

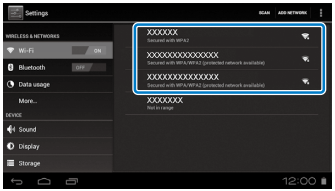
2 Tap [ ] on the APPS list screen.

3 Tap [WIRELESS & NETWORKS] - [Wi-Fi] - [OFF] to turn the Wi-Fi [ON].

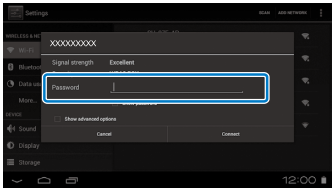


Available SSIDs (network names) are displayed.

4 Tap the SSID (network name) you want to connect to.



5 Enter the password.



When [ ] is displayed on the status bar, setup is complete.

Note

- See the following for details on how to enter text.

  ➡ **"Entering text" on page 18 (this guide)**

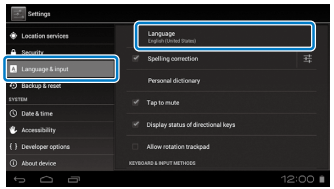
- You can add an SSID manually if the network you want to connect to is not found. See the Reference Guide for more details.

Setting the language

You can set the display language.

1 Tap [ ] on the APPS list screen.

2 Tap [PERSONAL] - [Language & input] - [Language].



3 Tap the language you want to use.

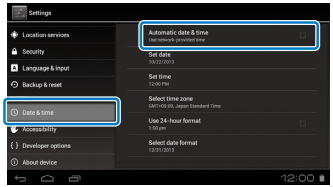
This completes setting up.

Setting the date and time

Set the date and time.

1 Tap [ ] on the APPS list screen.

2 Tap [SYSTEM] - [Date & time] - [Automatic date & time].



Setup is completed automatically.

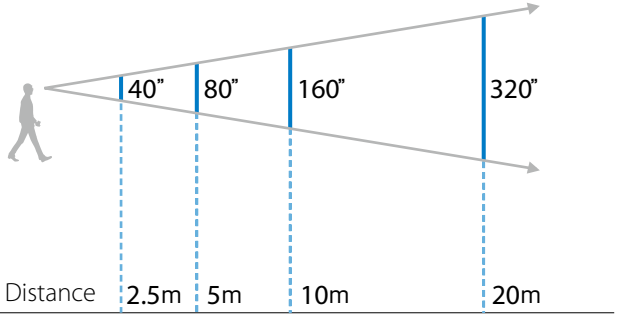
Note

- If the product is not connected to the Internet, the date and time are not set automatically.
- When setting the date and time manually, you can also set the time zone, display format, and so on. See the Reference Guide for more details.

Viewing Tips

How the screen is displayed

You can change the size of the screen depending on the distance from your point of view. If your point of view is in the distance, it will feel as if the screen size is in the distance and larger. If your point of view is in close, it will feel as if the screen size is close and smaller. The sense of size for the screen varies depending on the individual.



Caution

It is difficult to see all of your surroundings while viewing with the product. Do not leave any fragile items in your immediate surroundings, and do not move around while wearing the product.

Note

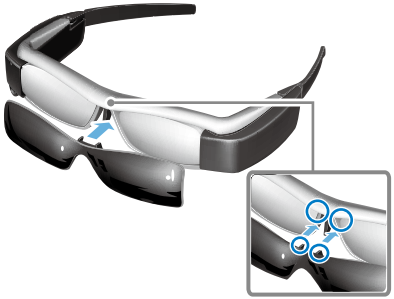
- How an image is perceived varies depending on the individual.
- If there is a difference between the strength of your eyesight in your left and right eyes, you may not be able to view 3D images correctly.
- How an image is perceived may vary depending on the brightness of your surroundings.

Replacing the shade

By attaching the replacement shade (dark), you can reduce the amount of exterior light that enters the product which increases the color saturation for the image.

1 Place your finger below the shade and pull forward.

2 Place the center of the replacement shade over the center of the headset, and then press slowly on the right and left of the shade.



Caution

If the shade is pushed or pulled with too much force, the shade could be damaged. Do not use too much force on the shade.

Viewing Movies Copied from a Computer (Gallery)

This section explains how to view images saved on your computer or smartphone. Copy movie data from your computer to this product's internal storage or to a commercially available microSD card.

View the copied data using Gallery.

Note

Check the following points in advance.

- When copying movie data from a computer, connect the computer to this product with a USB cable. The computer recognizes it as a portable device, and you can copy data to the internal storage or microSD card. See the Startup Guide for more details.

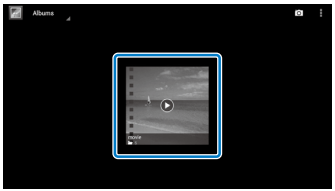
  ➡ **"Viewing Movies Copied from a Computer" (Start-up Guide)**

- The capacity for this product's internal storage is eight GB.
- A microSD card is not included with this product. This product supports commercially available microSD cards (up to two GB) and microSDHC cards (up to 32 GB). Insert into the controller's microSD card slot, and then copy data.

1 Tap [ ] on the APPS list screen.

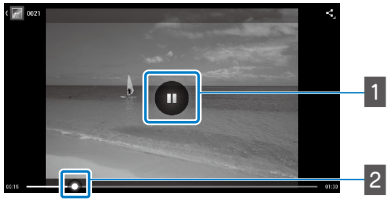
The Gallery's main screen is displayed.

2 Tap the data you want to view.



Tap [ ] to start playing the data.

Operations while playing movies



1 Pause

The pause button is displayed when you tap the screen. Tap [ ] to pause play back.

2 Movie positioning

Drag [ ] to the right or left to change the position where you want to start playing.

Viewing Movies on a Website (Browser)

This section explains how to connect to the Internet and view movies on a Web site.

Connect to the internet using Browser.

Note

Check the following points in advance.

- A wireless LAN environment is available.
- The Wi-Fi setting is on.

➡ **"Initial Settings" on page 23 (this guide)**

1 Tap [ ] on the APPS list screen.

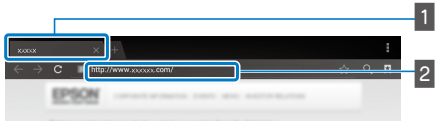
The Browser screen is displayed.

2 Tap the URL field and then enter a search keyword or a URL.

➡ **"Entering text" on page 18 (this guide)**

Note

If the URL field is hidden, tap the tab to show it again.



1 Tab

2 URL field

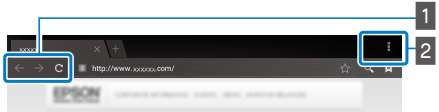
Browser basic operations

You can perform the following operations on Web pages.

- Tap: Click links and buttons.
- Flick: Scroll pages. Flick using two fingers to scroll smoothly.
- Pinch out/Pinch in: Enlarge/reduce the page.

➡ **"Using the Trackpad" on page 16 (this guide)**

Using the Browser's menu



1 Return to the previous page [←], go to the next page [→], refresh the page [C]

2 Menu list [⋮]

You can add new tabs, or browse text on a page.

See the Reference Guide for more details on each menu.

Viewing Movies on a Home Network Using a DLNA Function (MOVERIO Air)

This section explains how to view movies saved on computers with DLNA server devices or a DLNA server function over a home network.

Watch contents using MOVERIO Air.

Note

Check the following points in advance.

- The DLNA device or the computer being used have a DLNA server function.
- A wireless LAN environment is available.
- The Wi-Fi setting is on.

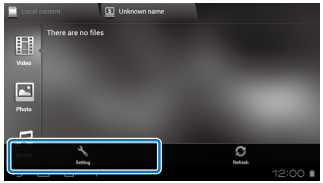
  ➡ **"Initial Settings" on page 23 (this guide)**
- Connections are not guaranteed for all devices.

Connecting to a DLNA server device

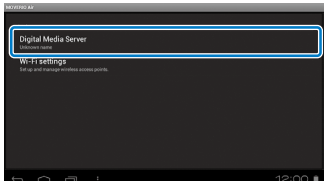
1 Tap [ ] on the APPS list screen.

The MOVERIO Air main screen is displayed.

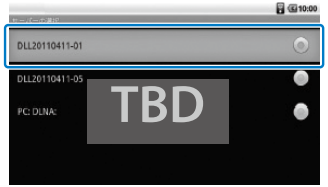
2 Press the [ ] key on the controller, and then tap [Setting].



3 Tap [Digital Media Server].

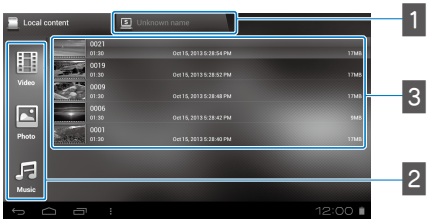


4 Tap the DLNA server device.



Press the [ ] key on the controller to return to the main screen.

MOVERIO Air basic operations



1 Connection tab

The name of the connected DLNA server is displayed.

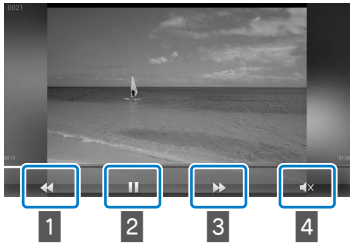
2 Content tab

Select the category for the content you want to view.

3 Content view

Select the content you want to view.

Operations while images are playing



1 Rewinds by 15 seconds

2 Play/Pause

3 Fast forward by 15 seconds

4 Mute

Note

- When the DLNA server device is recording or playing, you cannot view on this product. See the documentation for each device for more details.
- Viewing may be restricted when multiple DLNA client devices (devices like this product that connect to the DLNA server devices to view content) and DLNA server devices exist on the same network. See the documentation for each device for more details.
- You can check devices that can connect to this product on the following Web site http://www.epson.com.
- You may not be able to view normally depending on the usage environment, Wi-Fi radio wave status, and the network speed.

  (Recommended Wi-Fi environment: IEEE802.11n 300 Mbps or faster)
- You may not be able to view depending on the recording mode and file format.
- You cannot view images from Blu-rays or DVDs.
- You cannot view programs with copyright protection that were recorded by a device that supports DLNA.
- Images viewed using DLNA server devices cannot be saved to this product.

Synchronizing Other Devices and Screens (MOVERIO Mirror)

This section explains how to synchronize this product with computers, smartphones, and televisions that support Miracast, and then view content playing on a television or smartphone on this product, and how to view content playing on this product on a television.

Watch contents using MOVERIO Mirror.

Note

Check the following points in advance.

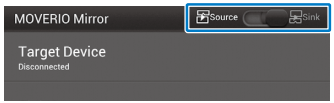
- The device being used supports Miracast.
- [Settings] - [WIRELESS & NETWORKS] - [Wi-Fi direct] is checked.
- To sync with devices that do not support Miracast, you need an optional dongle.
- Connections are not guaranteed for all devices.

1 Tap [ ] on the APPS list screen.

The MOVERIO Mirror main screen is displayed.

2 Select the connection mode.

・When receiving images from other devices: Select [Sink].
・When sending images to other devices: Select [Source].



3 Tap [Target Device].

4 Tap the device you want to connect to.

・When receiving images from other devices:
Press the [ ] key to put the product in standby status.
If synchronization is started from the connected device, the content currently playing on the connected device is played on this product.

・When sending images to other devices:
Press the [ ] key to display the MOVERIO Mirror main screen and then tap [Start].
If synchronization is started from the connected device, the content currently playing on this product is played on the connected device.

Note

- While MOVERIO Mirror is running, icons showing the connection status and mode are displayed on the status bar.
- By placing the MOVERIO Mirror widget on the Home screen, you can check the connection status to devices and the connection mode.

Troubleshooting

If you think a malfunction has occurred, check the following.

The product does not turn on

- Check that the product is fully charged
- If the product cannot turn on due to insufficient power, the LED flashes red three times.
- If the battery is completely flat, the LED does not turn on for a while when charging starts. Charge for at least 30 minutes.

  ➡ **"Charging" on page 11 (this guide)**
- Slide the power switch to the [⏻] side and hold it there until the LED indicator turns green. When the LED indicator flashes green, the product is starting up. Startup is complete when the indicator changes from flashing to lit green.

  ➡ **"Turning on" on page 14 (this guide)**
- Contact your local Service Center if you forget the password for the screen lock. If the operating system needs to be reinstalled, the product returns to the status at the time of purchase.

Cannot view movies or listen to audio

- Check if the movie format for the application being used is supported.

Gallery	MPEG4+AAC/Dolby Digital Plus
MOVERIO Air	MPEG2 TS (H.264+AAC/Dolby Digital Plus)
MOVERIO Mirror	MPEG2 TS (H.264+AAC/Dolby Digital)

* Copyright protected content cannot be viewed.

- Supported still images (JPEG, PNG, BMP, GIF)
- Supported audio formats (WAV, MP3, AAC, Dolby Digital Plus)
- When images are not displayed when the LED is green, the product may be muted. Tap the right-hand side of the product twice lightly to release the mute function.
- You need an earphone microphone to input audio. See http://www.epson.com for recommended microphones that can be used with this product.

Images are fuzzy

- Switch between 2D or 3D.

Cannot perform controller operations

- You cannot perform controller operations when the power switch is slid to the side opposite the [⏻] (Key lock enabled). Slide to the center.
- When the LED is blue (during Sleep mode), slide the power switch briefly to the [⏻] side.

- When the direction in which the pointer moves differs from the trackpad operation, the controller's rotation setting may be set to On. Tap [ ] on the APPS list screen, and then check [Language & input] - [Auto-rotate trackpad].

Cannot connect to the network

- Check that the wireless LAN (Wi-Fi) environment where you are using the product can be accessed.
- Check that the product's wireless LAN setting is turned on. Turn on your Wi-Fi.

➡ **"Initial Settings" on page 23 (this guide)**

When using at home

- Check that the wireless LAN router or access point is turned on.
- Check the SSID and security password for the wireless LAN router or access point. See the documentation provided with the wireless LAN router or access point for more details.

When using a public wireless LAN service

- Check that the public wireless LAN service is available.
- You may need a contract with the service supplier to use the public wireless LAN service.

How do I acquire apps?

You can find applications that are supported by this product in the EPSON Market. When you have connected to the Internet, tap [Icon TBD] from the APPS list screen.

Maintenance

If there is dust or dirt on the lenses, wipe them carefully with a soft cloth.

Specifications

Main Specifications

Model Number		BT-200
Material		Polysilicon TFT active matrix
LCD panel size		0.42" wide panel (16:9)
LCD panel pixel count		518,400 QHD (horizontal 960 x vertical 540 dots) x 3
Angle of view		Approximately 23 degrees
Virtual screen size		40" support (virtual viewing distance 2.5 m)
Color reproduction		24 bit color (approximately 16,770,000 colors)
Platform		Android ™ 4.0
Supported movie formats*1		MP4 (MPEG4+AAC/Dolby Digital Plus), MPEG2 TS (H.264+AAC/Dolby Digital Plus)
Supported still image formats		JPEG, PNG, BMP, GIF
Supported audio formats		WAV, MP3, AAC, Dolby Digital Plus
Supported 3D		Side-by-side format
Internal memory	Main memory	1GB
	User memory	8GB
External memory		microSD (2 GB maximum) microSDHC (32 GB maximum)
Connector ports		micro-USB, headset connector port, 4 pin mini jack (earphones with microphone complying with the CTIA standard)*2, microSD card slot
Operating temperature		5 to 35℃ humidity 20 to 80% (no condensation)
Storage temperature		-10 to 60℃ humidity 10 to 90% (no condensation)
Power voltage	Controller	5 VDC (when using USB connector)
AC adapter	Model Number	PSM05F-050Q(VP)-R
	Manufacturer	PHIHONG TECHNOLOGY CO., LTD.
	Electrical rating	100 to 240 VAC 50 to 60 Hz 0.15 A

*1 Supports Dolby Digital Plus. Only MPEG2 TS supports Dolby Digital when playing movies using MOVERIO Mirror.

*2 Restrictions in operation may occur when using an adapter plug.

Power consumption		1600 mW under normal usage, 1800 mW when connected to Wi-Fi, 80 mW when standing by
Battery	Type	Lithium polymer battery
	Lithium content	Less than 1.5 g
	Amount of watt hour rating	Less than 20 Wh
Frequency band		IEEE 802.11 b/g/n
Frequency range		2.4 GHz band (1 to 13 ch)
Modulation		ODFM, DS-SS
Potential interference range		40 m
Battery life		Approximately 6 hours (when playing movies)
Exterior dimensions (W x D x H)	Headset	186 x 174 x 38 mm (without the shade) 186 x 176 x 38 mm (with the shade)
	Controller	54.5 x 118 x 21.6 mm
Mass	Headset	98 g (without shade and cables)
		105g (with cables)
	Controller	150 g
Camera		300,000 pixels
Earphones	Reception	90 dB/mW
	Playback frequency band	20 to 20 kHz
	Impedance	At least 16 ohm
Audio function	Surround	Dolby Digital Plus
	Sound quality modes	OFF/Classical/Pop/Vocal/Live/Movie/Stadium
Sensors		GPS/geomagnetic sensor/accelerometer/gyroscopic sensor
Bluetooth	Standard	V3.0
	Profiles	HSP/A2DP/HID/OPP/SPP

Intellectual Property Rights

Trademarks

Manufactured under license from Dolby Laboratories.
Dolby and the double-D symbol are trademarks of Dolby Laboratories.

iWnnIME © OMRON SOFTWARE Co., Ltd. 2011 All Rights Reserved.

microSDHC Logo is a trademark of SD-3C, LLC.

DLNA®, the DLNA logo, and DLNA CERTIFIES® are the trademarks or registered trademarks of the Digital Living Network Alliance.
Wi-Fi®, Wi-Fi Direct, ™ and Miracast ™ are the trademarks or registered trademarks of the Wi-Fi Alliance.

OPEN SOURCE SOFTWARE LICENSE

1. This product includes open source software programs according to the license terms of each program.
2. We provide the source code of some open source software programs, until five (5) years after the discontinuation of this product. If you desire to receive the source code above, please see the "http://www.epson.com" and contact the customer support of your region. You shall comply with the license terms of each open source software program.
3. The open source software programs are WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. See the license agreements of each open source software program for more details, which are described in the product.
4. The license terms of each open source software program are described in Home screen > Settings > About device > Legal information > Open source licenses of the product.

General Notes

Notes Regarding Wireless LAN	Do not use the Wireless LAN function in France unless you are indoors. If you purchase this product outside of North America and Taiwan, please note that this product emits wireless LAN electromagnetic waves on channels 1 to 13. Therefore, do not use the wireless LAN function in North America and Taiwan where wireless LAN channels are limited to 1 to 11 by the Wireless Telegraphy Act. Follow local laws and regulations when using in other regions.
Wireless Telegraphy Act Regulations	The following acts are prohibited by the Wireless Telegraphy Act. ・Modifying and disassembling (including the antenna) ・Removing the label of conformance
Restriction of Use	This product is manufactured based on the specifications of the country of sale. When using this product outside the country of sale, contact your nearest support center. When this product is used for applications requiring high reliability/safety of function and precision, such as transportation devices related to aviation, rail, marine, automotive; disaster prevention devices; various safety devices, you should use this product only after giving consideration to including fail- safes and redundancies into your design to maintain safety and total system reliability. Because this product was not intended for use in applications requiring extremely high reliability/safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care, please make your own judgment on this product's suitability after a full evaluation.
Notes on Frequency	This product operates in the same frequency bandwidth as industrial such as microwave ovens, scientific, and medical devices and mobile object identification (RF-ID) systems (licensed premises radio stations, amateur, and unlicensed specified low-power radio stations (hereafter "other radio stations")) used in factory production lines. 1. Before using this product, make sure there are no "other radio stations" being used in the vicinity. 2. If this product causes RF interference between the product and "other radio stations", promptly move to a different location, stop using the product, and contact your local dealer to ask for advice on preventing interference (for example setting up partitions). 3. In addition, when harmful radio wave interference occurs between the product and "other radio stations", contact your local dealer.
JIS C 61000-3-2 conformity	This product conforms to the current "JIS C 61000-3-2" harmonic standard.
Authentication information	U.S.A. FCC ID : RYYWYSAAVDX7 Canada IC ID : 1052D-H423A Europe

Authentication information

Japan

R 001WWCA1266

Singapore

Complies with IDA standards
DB101624

United Arab Emirates
1052D-H423A

TRA REGISTERED No. : ER0066524/11
DEALER No. : 0016935/09

CE DECLARATION of CONFORMITY

In France, WLAN usage is only permitted indoors.
The purpose of the WLAN function is to connect to a 2.4 GHz access point.

DECLARATION of CONFORMITY

According to 47CFR, Part 2 and 15
Class B Personal Computers and Peripherals; and/or
CPU Boards and Power Supplies used with Class B Personal Computers
We : Epson America, Inc.
Located at : 3840 Kilroy Airport Way MS : 3-13 Long Beach, CA 90806
Tel : 562-290-5254
Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR 2.909. 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.
Trade Name : EPSON
Type of Product : See-Through Mobile Viewer
Model : H560A

FCC Compliance Statement

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 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.

WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification or Declaration of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC/Industry Canada (IC) Notices

FCC Notices

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End-users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Caution:

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Industry Canada (IC) Notices

CAN ICES-3 (B)/NMB-3(B)

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

Cet appareil numèrique de la classe B est conforme à la norme NMB-003 du Canada.

This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. End-users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

EPSON
EXCEED YOUR VISION

DECLARATION of CONFORMITY

Manufacturer:	SEIKO EPSON CORPORATION	Telephone:	81-266-52-3131
Address:	3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 Japan	Fax:	81-266-52-8409

Representative:	EPSON FRANCE S.A.	Telephone:	33-1-56715720
Address:	PARC TECHNOLOGIQUE EUROPARC 60, RUE AUGUSTE PERRET 94043 CRETEIL CEDEX, FRANCE	Fax:	33-1-56715726

Declares under our responsibility that the product:

Brand Name: EPSON

Product Name: See Through Mobile Viewer

Model: H423A (MOVERIO BT-100)
For more details, please refer to the product description.

Options: None

Conforms to the following Directive(s) and Norm(s):

Directive 1999/5/EC:
EN300 328 (V1.7.1(2006-10))
EN301 489-1 (V1.8.1(2008-04))
EN301 489-17 (V2.1.1(2009-05))
EN55022 (2006) +A1(2007) Class B
EN55024 (1998) +A1(2001) +A2(2003)
EN61000-3-2 (2006) +A1(2009) +A2(2009)
EN61000-3-3 (2008)
EN60065(2002) +A1(2006) +A11(2008) +A2(2010) +A12(2011)
EN60950-1(2006) +A11(2009) +A1(2010) +A12(2011)
EN62311 (2008)

Directive 2009/125/EC:
Commission Regulation (EC) No. 1275/2008

Directive 2011/65/EU: EN 50581(2012)

Supplemental Information:
The Adapter (3A-058W*05B * : T or S or E or U or C) complies with the followings:
Directive 2006/95/EC:
EN60065(2002) +A1(2006) +A11(2008) +A2(2010) +A12(2011)
EN60950-1(2006) +A11(2009) +A1(2010) +A12(2011)
EN62311 (2008)

The year in which the CE marking was affixed, is 2011.
December 3, 2012

Toshiaki Hashizume
General Manager of VP Key Components R&D Dept.
Visual Products Operations Div.
SEIKO EPSON CORPORATION.

Declared based on "Technical Data File, Dec. 3rd, 2012."

E0345-01

Model : H423A