

# User's Manual **Tobii M-Series**

**M-8**



## Tobii M-Series User's manual

Version 1.2

08/2014

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# 1 Introduction

Thank you for purchasing a Tobii M-Series device from Tobii Technology!

To ensure the optimal performance of this product, please take the time to read this manual carefully.

The Tobii M-Series is a Touch Controlled Speech Generating Device.

The Tobii M-Series device consists of:

- 1 × Tablet Device
- 1 × Bluetooth® speaker
- 1 × Tobii M-Series Case

This User's Manual covers:

- The Tobii M-Series device, model Tobii M-8.

## 1.1 Explanation of Admonitions

In this manual we use four (4) levels of admonitions as follows:



Is used for notifying the user of something important or of something that needs special attention.



Is used to inform of something that could cause harm to, or malfunction of, the equipment.



Is used to inform of something in which there is a conceivable risk of harm to the user if the Warning is ignored.


















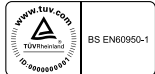




Is used to inform of something that can cause damage to hearing.

## 1.2 Symbols and Markings

This appendix provides information about the symbols that are used on the Tobii M-Series, its parts, accessories or packaging.

Symbol or Markings	Description
	Consult User's Manual
	The Mark indicates compliance with mandatory standards for safety and/or emc for electrical and electronic products under the scope of the Commodity Inspection Act enacted by the Bureau of Standards, Metrology and Inspection in Taiwan (BSMI).
	UL Energy Efficiency Certification Marks for Canada
	Power On
	The Mark applies to all Specified Electrical Appliances and Materials (Category A, 115 items) in the Electrical Appliance and Material Safety Law (DENAN) in Japan
	The Mark indicates compliance of electronic appliances such as IT and Audio/Video Equipment with NOM (Normas Oficiales Mexicanas) standards for safety in Mexico.

Symbol or Markings	Description
	Dispose of in accordance with your country's requirements.
	CE is the abbreviation of the European Communities and this mark tells customs officials in the European Union that the product complies with one or more of the EC Directives
	This mark is a certification mark employed on electronic products manufactured or sold in the United States which certifies that the electromagnetic interference from the device is under limits approved by the Federal Communications Commission.
	Li-Ion rechargeable battery. Must be recycled or disposed properly
	Recyclable material
	Safety Class II equipment (reinforced insulation)
-	Volume down
+	Volume up
	Windows button
	MicroSD card
	DC Power connector
	Mark indicating a power supply meets the level V requirements at both 115 V/60 Hz and 230 V/50 Hz, if designed to operate at multiple input voltages. Products with a nameplate marked for only one voltage and frequency should also use this mark assuming the product meets the performance requirements; in other words, manufacturers do not have to indicate the voltage with the mark.
	For indoor use
	Regulatory mark which represent compliant Russia, Kazakhstan, Belarus regulatory requirement
	Compliance mark for Ukraine
	Approval for Singapore
	Product full compliant German Product Safety law except EN60950-1

Symbol or Markings	Description
	Certified by TUV according to EN60950-1
<b>LPS</b>	Product output compliant "Limited Power Source" per IEC/EN/UL60950-1
	Power On/Off for Bluetooth® Speaker
	Command button for Bluetooth® Speaker
<b>IN/OUT</b>	Audio Port In and Out
	USB 2.0
	Conforms with appropriate Australian EMC standard

### 1.3 Intended Use

The Tobii M-Series is an Assistive and Alternative Communication (AAC) product, a purpose built Speech Generating Device (SGD) designed to provide to its users increased communication ability and greater independence.

The Tobii M-Series is intended primarily to provide, and act as, a compliment to everyday communication for people, often ambulatory, that have challenges in their ability to speak due to injury, disability or illness.

This intended use is reflected in design features such as high mobility and durability, long lasting batteries, superior sound quality and connectivity features. The Tobii M-Series can be operated in various ways, either through direct selection on the touchscreen or a variety of other means, compensating for potential motor skill limitation of the use.

The Tobii M-Series is designed primarily for direct face-to-face communication, using recorded speech, synthetic speech or the device display as communication modality. The device can potentially also serve the purpose of long-distance communication via e-mail or internet chat, if network connections are available and no other restrictions apply. The conveyed messages can be composed by using symbols, text or a combination of both; various highly configurable user interfaces for the purpose of this communication are pre-installed.

The Tobii M-Series meets the definition for durable medical equipment; and is registered as a Medical device. The Tobii M-Series is available as a dedicated (locked) Speech Generating Device.



The Tobii M-Series device does not sustain or support life.

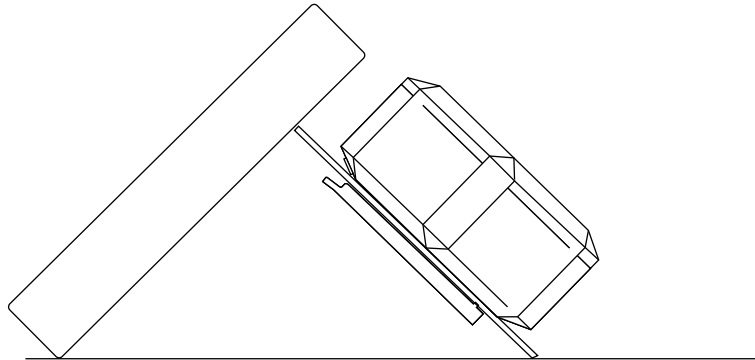
In case of failure of the Tobii M-Series device, the user cannot communicate using it.



Intended use is primarily indoor environment.

### 1.3.1 Working Orientation

The recommended working orientation for the Tobii M-Series is the Resting Orientation



The Bluetooth® speaker is attached to the Tobii M-Series tablet case with a clip. If you want to place the Bluetooth® Speaker anywhere else, just detach the Bluetooth® speaker and attach the Bluetooth® speaker again when you want it attached to the Tobii M-Series device.

## 1.4 Package Contents



**Keep the original packaging materials for the Tobii M-Series.**

In case the device needs to be returned to Tobii for Warranty related issues or repair, it is required that the original packaging (or equal equivalent) is used for shipping.

### 1.4.1 Tobii M-Series with Tobii Communicator

The items below are included with your Tobii M-Series with Tobii Communicator package:

- 1 Tablet Device (8")
- 1 Bluetooth® Speaker (detachable)
- 1 Tobii M-Series Case
- 1 Power Supply for the Tablet device
- 1 Power Supply for the Bluetooth® Speaker
- 1 3,5 mm audio cable
- 1 Shoulder strap
- 1 On the Go adapter cable (micro USB to USB)
- 1 microSD card 16 GB (for automatic backup)
- 1 Windows 8.1 Pro license
- 1 Tobii Communicator (pre-installed)
- 1 Tobii Sono Suite (pre-installed)
- 1 USB stick with Tobii Communicator and Tobii Sono Suite (only available in selected markets)
- 1 Tobii M-Series User's Manual (on the device as a PDF document)
- 1 Tobii M-Series Quick Start Manual (printed)
- 1 Getting Started with Essentials TC 4.8 (printed) (only available in selected markets)
- 1 Safety and Compliance documents
- 1 Warranty Document

### 1.4.2 Tobii M-Series with DynaVox Compass

The items below are included with your Tobii M-Series with DynaVox Compass package:

- 1 Tablet Device (8")
- 1 Bluetooth® Speaker (detachable)
- 1 Tobii M-Series Case
- 1 Power Supply for the Tablet device
- 1 Power Supply for the Bluetooth® Speaker



- 1 3,5 mm audio cable
- 1 Shoulder strap
- 1 On the Go adapter cable (micro USB to USB)
- 1 microSD card 16 GB (for automatic backup)
- 1 Windows 8.1 Pro license
- 1 DynaVox Compass (pre-installed)
- 1 Tobii M-Series User's Manual (on the device as a PDF document)
- 1 Tobii M-Series Quick Start Manual (printed)
- 1 Safety and Compliance documents
- 1 Warranty Document

## 2 Safety

The Tobii M-Series device has been tested and approved as compliant to all the Specifications and Standards listed in *Appendix B Compliance Information, page 20* of this manual and in the *Appendix C Technical Specifications, page 21* – including, but not limited to, the 93/42/EEC(MDD) - Medical Device Directive. Nevertheless, in order to ensure safe operation of your Tobii M-Series device, there are a few safety warnings to bear in mind:



**No modification of this equipment is allowed**



The Tobii M-Series is not to be used as a life supporting Device, and it shall not be relied on in case of loss of function due to power loss or other causes.



There could be a choking hazard risk if small parts detach from the Tobii M-Series device.



The Tobii M-Series device shall not be exposed to or used in rain or weather conditions outside the Technical Specification of the Tobii M-Series device.



The Tobii M-Series device shall only be used with Tobii M-Series specific Accessories that have a mounting instruction included with the accessory.



Young children or people with cognitive disabilities should not have access to, or the use of, the Tobii M-Series device without parental or guardian supervision.



The Tobii M-Series device shall be used with care when moving around.



The Tobii M-Series device shall not be used to control machines or other equipment.



Do not install other software on the Tobii M-Series device to control surrounding equipment.



Do not connect the Tobii M-Series device or its components to any external equipment in any other way than by using Tobii approved accessories. For more information, see *Appendix D Approved Accessories, page 23*.



Do not attach any decorations, Post-it® notes or similar to the screen side of the Tobii M-Series device. Doing so may interfere with the touch screen performance.

### 2.1 Avoiding Hearing Damage



Permanent hearing loss may occur if earphones, headphones or speakers are used at high volume. To prevent this, the volume should be set to a safe level. You can become desensitized over time to high sound levels which may then sound acceptable yet still could be damaging your hearing. If you experience symptoms such as ringing in your ears, please lower the volume or stop using the earphones/headphones. The louder the volume, the less time is required before your hearing could be affected.

Hearing experts suggest the following measures to protect your hearing:

- Limit the amount of time you use earphones or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you cannot hear people speaking near you.

To establish a safe volume level:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

## 2.2 Power Supply and Batteries



The Tobii M-Series device uses Lithium Ion batteries. The batteries have a storage temperature range of between -20 °C/-4 °F and 40 °C/104 °F within 6 months.

If you are in a hot environment, be aware that it can affect the ability to charge the batteries. The internal temperature has to be between 0 °C/32 °F and 50 °C/122 °F for the batteries to charge. If the internal battery temperature raises above 50 °C/122 °F the battery will not charge at all.

Move the Tobii M-Series device and the batteries to a cooler environment to let the batteries charge properly.



Avoid exposing the batteries to fire or to temperatures above 50 °C/122 °F. These conditions may cause a battery to malfunction, generate heat, ignite or explode. Be aware that it is possible, in a worst case scenario, for temperatures to reach greater than those stated above in, for example, the trunk of a car on a hot day. So, storing the device, with batteries installed, in a hot car trunk could conceivably lead to a malfunction.



Only charge the Tobii M-Series batteries in an ambient temperature of 0 °C/32 °F to 35 °C/95 °F.



Use only the supplied power adapter to charge the Tobii M-Series tablet. Using unauthorized power adapters or Micro-USB cables may severely damage the Tobii M-Series tablet.



Do not disassemble or harm the batteries. Pay attention to the environmental laws and regulations which apply in your area when disposing of batteries.



For safe operation of the Tobii M-Series device, use only charger, batteries and accessories approved by Tobii Technology.



Do not open, or modify, the metal casing of the Tobii M-Series device or of the power supply, since you may be exposed to potentially hazardous electrical voltage. The device contains no serviceable parts. If the Tobii M-Series device or it's accessories are mechanically damaged, **do not to use them**.



If the batteries are not charged or the Tobii M-Series is not connected to the power supply, the Tobii M-Series device will shut down.



If the Power Supply Cord is damaged it needs to be replaced by Service Personnel only. Do not use the Power Supply Cord until replaced.



Only connect the Tobii M-Series to the Power adapters shipped with this device.



The appliance coupler of the power supply is used as the Mains Disconnection Device, please do not position the Tobii M-Series device so that it is difficult to operate the disconnection device.



Special regulations apply to shipping Lithium-ion batteries. If dropped, crushed, or short-circuited, these batteries can release dangerous amounts of heat and may ignite, and are dangerous in fires.

Please reference IATA regulations when shipping lithium metal or lithium ion batteries or cells:

[http://www.iata.org/whatwedo/cargo/dangerous\\_goods/Pages/lithium\\_batteries.aspx](http://www.iata.org/whatwedo/cargo/dangerous_goods/Pages/lithium_batteries.aspx)



The Power adapters shall not be used without an adult or Care giver supervision.



The Tobii M-Series device contains rechargeable batteries. All rechargeable batteries degrade over time. Thus the possible usage times for the Tobii M-Series after a full charge can become shorter over time than when the device was new.

## 2.3 Mounting



The Tobii M-Series should be mounted according to MANUFACTURER instructions of approved mounts. Tobii Technology or its agents are not liable for damage or injuries to a person or its property due to a Tobii M-Series falling from a mounted configuration. The mounting of a Tobii M-Series is done entirely at the user's own risk.

## 2.4 Emergency



Do not rely on the device for emergency calls or banking transactions. We recommend having multiple ways to communicate in emergency situations. Banking transactions should only be carried out with a system recommended by, and approved according to the standards of, your bank.

## 2.5 Electricity



Do not open the casing of the Tobii M-Series tablet device.



Do not open the casing of the Tobii M-Series Bluetooth® Speaker.

## 2.6 Child Safety



The Tobii M-Series are advanced computer systems and electronic devices. As such they are composed of numerous separate, assembled parts. In the hands of a child certain of these parts have the possibility of being separated from the device, possibly constituting a choking hazard or another danger to the child.

Young children should not have access to, or the use of, the device without parental or guardian supervision.

## 2.7 Software



Using an antivirus program is strongly recommended.



Software other than that which is pre-installed on the Tobii M-Series is installed at the user's own risk. External software could cause the Tobii M-Series to malfunction and might not be covered by the warranty.

## 2.8 Magnetic Field



The Tobii M-Series Case and the Bluetooth® Speaker contains magnets. Magnetic fields may interfere with pacemakers, defibrillators, or other medical devices. As a general rule, maintain a minimum distance of 6 inches (15 centimeters) between any item with magnets and your heart device.

If you suspect that the Tobii M-Series device is interfering with your pacemaker or any other medical device, stop using the Tobii M-Series device and consult your physician for specific information about that affected medical device.

## 3 Overview of the Tobii M-8

### 3.1 Key Features

The Tobii M-Series has several built-in features.

- 2 × Cameras
- 1 × Internal microphone
- 1 × Internal speaker
- 1 × Bluetooth®
- 1 × WLAN (Wireless Local Area Network)
- 1 × Bluetooth® speaker
- 1 × Case

### 3.2 Product Layout

A Tobii M-Series device has a color Capacitive touch, LED Backlight screen. The Tobii M-8 has an 8" screen with a 1280 × 800 (HD) pixel resolution.

### 3.2.1 Ports, Sensors and Device Buttons

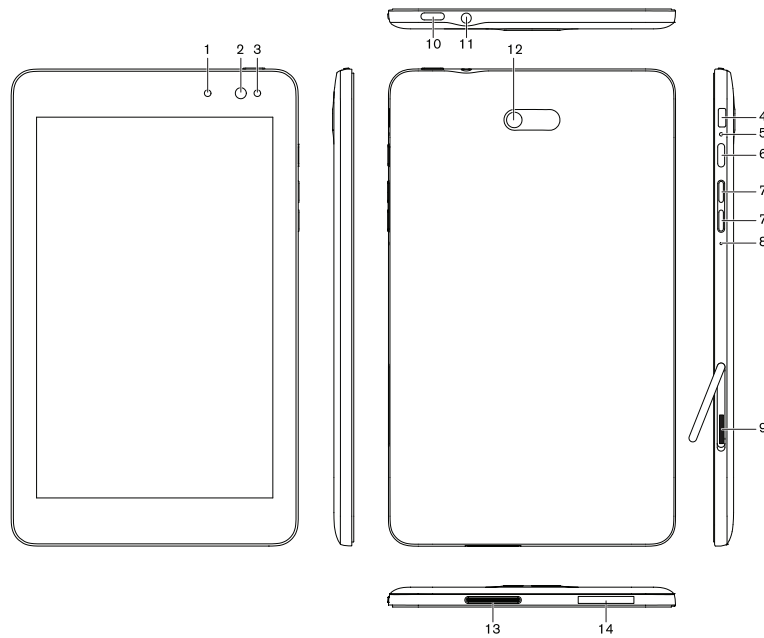


Figure 3.1 Tobii M-Series Tablet

Position	Description	Position	Description
1	Status light	8	Microphone
2	Front-facing camera	9	microSD card slot
3	Ambient-light sensor	10	Windows button
4	Micro-USB port	11	Audio Port (3.5 mm)
5	Battery-status light	12	Rear camera
6	Power button	13	Speaker
7	Volume buttons	14	Service Tag label

For more detailed information, download and see the Dell Venue 8 Pro Tablet User's Manual from:  
[ftp://ftp.dell.com/Manuals/all-products/esuprt\\_tab\\_mob/esuprt\\_tablets/dell-venue-8-pro\\_User%27s%20Guide\\_en-us.pdf](ftp://ftp.dell.com/Manuals/all-products/esuprt_tab_mob/esuprt_tablets/dell-venue-8-pro_User%27s%20Guide_en-us.pdf)



Never force a connector into a port. If the connector and port do not join with reasonable ease, they probably do not match. Make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.

Be extra careful with the USB connector.

### 3.2.2 Ports and Bluetooth® Speaker Buttons

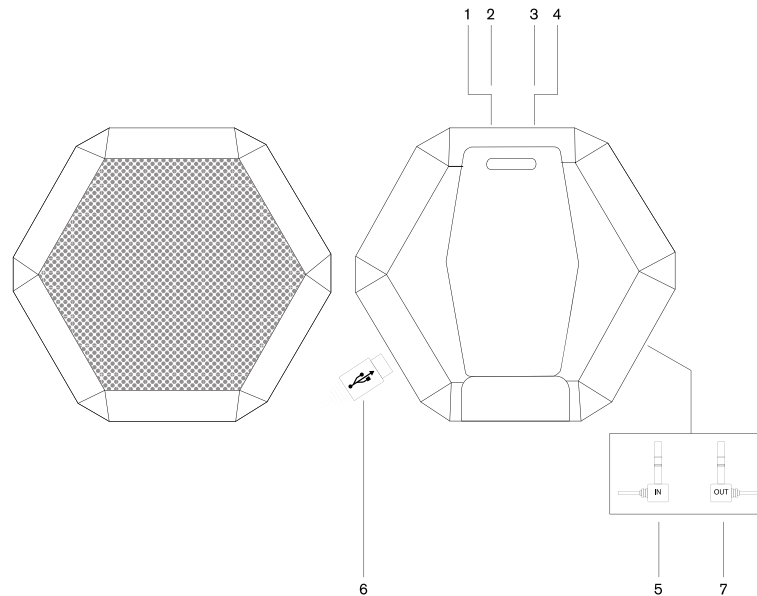


Figure 3.2 Tobii M-Series Bluetooth® Speaker

Position	Description
1	Volume Up
2	Command Button
3	On/Off button (located on top)
4	Volume Down
5	Audio Port Out (3.5 mm)
6	Micro-USB port
7	Audio Port In (3.5 mm)



Never force a connector into a port. If the connector and port do not join with reasonable ease, they probably do not match. Make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.

Be extra careful with the USB connector.

#### 3.2.2.1 On/Off Button

- Power On, press power button once.
- Power Off, press and hold power button.

#### 3.2.2.2 Command Button

- Tap to play/pause current track
- Double tap to advance track

## 3.3 Preinstalled Software

The Tobii M-Series device is delivered with all preordered and required software installed and ready to use. Should a reinstallation become necessary at any stage, perform a Factory Recovery.

### 3.4 Accessing the microSD-Card

For instructions, download and see the Dell Venue 8 Pro Tablet User's Manual from:

[ftp://ftp.dell.com/Manuals/all-products/esuprt\\_tab\\_mob/esuprt\\_tablets/dell-venue-8-pro\\_User%27s%20Guide\\_en-us.pdf](ftp://ftp.dell.com/Manuals/all-products/esuprt_tab_mob/esuprt_tablets/dell-venue-8-pro_User%27s%20Guide_en-us.pdf).



# 4 Batteries in the Tobii M-Series

## 4.1 Batteries

The Tobii M-Series device has two different batteries, one in the tablet and one in the Bluetooth® speaker. The batteries are not of the same size and capacity, see *Appendix C Technical Specifications, page 21*.



The batteries in the tablet and the Bluetooth® speaker need to be charged separately.

## 4.2 Charging the Tablet

1. Connect the Power cable into the Power adapter.
2. Connect the Micro-USB cable to the Micro-USB port on the tablet.
3. Connect the Power adapter to an electrical outlet and charge the tablet until the battery is fully charged.

For instructions, download and see the Dell Venue 8 Pro Tablet User's Manual from:

[ftp://ftp.dell.com/Manuals/all-products/esuprt\\_tab\\_mob/esuprt\\_tablets/dell-venue-8-pro\\_User%27s%20Guide\\_en-us.pdf](ftp://ftp.dell.com/Manuals/all-products/esuprt_tab_mob/esuprt_tablets/dell-venue-8-pro_User%27s%20Guide_en-us.pdf)

For battery storage and charging temperatures, see *2 Safety, page 6*.

### 4.2.1 Checking Charge Level

Download and see the Dell Venue 8 Pro Tablet User's Manual from:

[ftp://ftp.dell.com/Manuals/all-products/esuprt\\_tab\\_mob/esuprt\\_tablets/dell-venue-8-pro\\_User%27s%20Guide\\_en-us.pdf](ftp://ftp.dell.com/Manuals/all-products/esuprt_tab_mob/esuprt_tablets/dell-venue-8-pro_User%27s%20Guide_en-us.pdf)

### 4.2.2 LED Behavior

Download and see the Dell Venue 8 Pro Tablet User's Manual from:

[ftp://ftp.dell.com/Manuals/all-products/esuprt\\_tab\\_mob/esuprt\\_tablets/dell-venue-8-pro\\_User%27s%20Guide\\_en-us.pdf](ftp://ftp.dell.com/Manuals/all-products/esuprt_tab_mob/esuprt_tablets/dell-venue-8-pro_User%27s%20Guide_en-us.pdf)

## 4.3 Charging the Bluetooth® Speaker

1. Connect the Power cable into the Power adapter.
2. Connect the Micro-USB cable to the Micro-USB port on the Bluetooth® speaker.
3. Connect the Power adapter to an electrical outlet and charge the Bluetooth® speaker until the battery is fully charged.

# 5 Using the Tobii M-Series

No skill other than reading is necessary for setting up the Tobii M-Series device. Follow this User's Manual and the Quick Start Manual.

## 5.1 Starting the Device

Start the device in one of the following ways:

- Press the power button on the right side of the device (if held in "Portrait Mode"). (Position 6 in *Figure 3.1 Tobii M-Series Tablet, page 10*)

### 5.1.1 Password Information

The Tobii M-Series device is configured to start up, using the operating system present, without a password. Though unusual, there are situations in which the password window could plausibly pop up; for example, when creating a new user in the operating system, when returning from the operating system's sleep mode or when downloading software updates from the internet.



Creating a new windows user and downloading updates from the internet could possibly compromise the system and software settings of the operating system that have been set and installed at Tobii Technology.

Should the password window pop up, requiring a password, the default password on all Tobii M-Series devices is, "**Tobii**" (case sensitive). In order to type in the password use the Windows On-Screen Keyboard or an external USB keyboard (not included).

If you decide to change the password, be sure to write it down in a safe place for later use.

Suggested place to keep new password: \_\_\_\_\_

Without the operating system's access password, Tobii Support may be unable to assist you with any future difficulties.

### 5.1.2 Tobii M-Series Welcome Guide

When you start your Tobii M-Series Device for the first time you will be greeted by the Tobii M-Series Welcome Guide. The guide is a setup wizard that will walk you through some steps that will help you make the most of your device.

Follow the instructions and select **Next** to get to the next page of the Guide.

## 5.2 Shutting Down the Tobii M-Series

### 5.2.1 Shutting Down the Tobii M-Series from Tobii Communicator

The device should be shut down using one of the following ways:

- From within Tobii Communicator
- Use the start menu in Windows (recommended when possible).

Should you be unable to shut the device down using the above, you can hold the power button on the right side of the device down for seven seconds (on the right if held in Portrait Mode). The device will consequently shut down immediately, without waiting for open applications to close.



This is not considered a "clean" Windows shut down and is thus not recommended unless completely necessary because it can harm your device.

### 5.2.2 Shutting Down the Tobii M-Series from DynaVox Compass

The device should be shut down using the following:

- Use the start menu in Windows (recommended when possible).

Should you be unable to shut the device down using the above, you can hold the power button on the right side of the device down for seven seconds (on the right if held in Portrait Mode). The device will consequently shut down immediately, without waiting for open applications to close.



This is not considered a "clean" Windows shut down and is thus not recommended unless completely necessary because it can harm your device.

## 5.3 Power Saving

The Power saving settings in the Tobii M-Series tablet are preset to optimize the battery run-time. If needed, the time setting for sleep mode can be adjusted in Windows Power Options.

## 5.4 Using the Cameras

The two built-in cameras allow you to take snapshots of items in front of the Tobii M-Series device and also from the display side.

Use **Tobii Communicator** or other relevant software to operate the cameras.

## 5.5 Adjusting the Volume

To adjust the volume use the Volume Up and Down buttons (Position 7) on right hand side of the Tobii M-Series device. For position references, see *Figure 3.1 Tobii M-Series Tablet, page 10*



Volume adjustments can also be done in **Tobii Communicator** or **DynaVox Compass** and in Windows.



The Bluetooth speaker has its own independent volume control. The independent volume control on the speaker can not be controlled from the Windows environment or Tobii Communicator or DynaVox Compass. This could possibly cause confusion if the volume is set to 0% on the speaker then no sound will come out of it no matter what the volume is set to in Windows. We recommend always setting the volume of the speaker to just below Max, and controlling the actual volume from within the Windows environment or from within Tobii Communicator or DynaVox Compass.

## 5.6 Adjusting the Sound

You can configure the speakers using the **Windows 8.1 Control Panel > Hardware and Sound**.



We refer to Microsoft's information on how to configure the sound in the Windows 8.1 Control Panel.



Sound adjustments can also be done in **Tobii Communicator** or **DynaVox Compass**.

## 5.7 Pairing the Bluetooth® Speaker with the Tablet



The Bluetooth® speaker and the tablet are paired together on delivery.

If needed, follow this procedure to pair the Bluetooth® speaker to the tablet again:

1. Power Off the Bluetooth® speaker
2. Power On the Bluetooth® speaker
3. Connect the Bluetooth® speaker to the tablet in the Bluetooth® settings in Windows®.
4. Open Charms Menu
5. Open Settings

6. Select Change PC Settings
7. Select PC and Devices
8. Select Bluetooth



If the tablet shuts down/hibernate, you may need to restart and re-connect the Bluetooth® speaker.



The 3,5 mm audio cable (included in the package) can be use to connect the speaker and the tablet as a backup for the Bluetooth® connection.

## 5.8 Enable Application Switching in Windows 8

The “Swipe from left” feature in Windows 8 is disabled on delivery. The reason for this is to avoid that the user unintentionally switches from Tobii Communicator or DynaVox Compass to the Windows environment.

To enable the “Swipe from left” feature in Windows 8, that will open the App switcher, follow this procedure:

1. Open Charms Menu
2. Open Settings
3. Select Change PC Settings
4. Select PC and Devices
5. Select Corners and Edges
6. Under “App switching”, turn ON “Allow switching between recent apps”

## 5.9 Close all open Windows 8 Modern UI Applications

1. Open Charms Menu
2. Open Settings
3. Select Change PC Settings
4. Select PC and Devices
5. Select Corners and Edges
6. Under “App switching”, select the “Clear list” button to clear the list of recent applications

## 5.10 Communicating in Flight Mode

1. Turn Off the Bluetooth® speaker.
2. Activate the Airplane mode in Windows settings.
3. Use the Internal speaker on the tablet device.

# 6 Product Care

## 6.1 Temperature & Humidity

### 6.1.1 General Use

The Tobii M-Series is best kept in dry conditions at room temperature. The recommended range for temperature and the humidity value for the device is as follows:

- Ambient temperature: 0°C to 35°C (32°F to 95°F)
- Relative humidity: 10% to 90% (no condensation on the device)
- Altitude: -15.2 to 3048 m / -50 to 10 000 ft

### 6.1.2 Transportation and Storage

For transportation and storage excluding batteries the recommended range for temperature and the humidity value for the device is as follows:

- Temperature: -40°C to 65°C (-40°F to 149°F)
- Relative humidity: 5% to 95% (no condensation on the device)
- Altitude: -15.2 to 10 668 m / -50 to 35 000 ft

The Tobii M-Series is not waterproof or water resistant. The device should not be kept in excessively humid, damp or otherwise wet conditions. Do not submerge the device in water or in any other liquid. Be careful not to allow liquids to be spilled upon the device especially in the connector areas.

## 6.2 Cleaning

Before cleaning the Tobii M-Series device shut it down and unplug all cables. Use a soft, slightly damp lint-free cloth. Avoid getting moisture in openings on the device. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean the device.

### 6.2.1 Cleaning of the Speakers

If the openings for the speakers are clogged carefully use cotton sticks and/or a toothbrush to avoid damaging the Tobii M-Series speakers.

## 6.3 Placement

Only use the recommended mounts specified by the your local reseller or sales represent and make sure that they are mounted and fastened correctly according to the instructions. Do not place the device on unstable and uneven surfaces.

## 6.4 Transporting the Tobii M-Series Device

Disconnect all the cables and use the shoulder strap or the handle on the Tobii M-Series Case while carrying the device.

When you transport the device for repair, shipment or traveling, use the original casing and packaging materials.



### **Keep the original packaging materials for the Tobii M-Series.**

In case the device needs to be returned to Tobii for Warranty related issues or repair, it is required that the original packaging (or equal equivalent) is used for shipping.

## 6.5 Disposing of the Batteries

Do not dispose of the batteries in general household or office waste. Follow your local regulations for the disposal of batteries.

## 6.6 Disposing of the Tobii M-Series Device

Do not dispose of the Tobii M-Series Device in general household or office waste. Follow your local regulations for the disposal of electrical and electronic equipment.

# Appendix A Support, Warranty, Training Resources

## A1 Customer Support

For support, please contact your local representative or Support at Tobii or DynaVox. In order to receive assistance as quickly as possible, make sure you have access to your Tobii M-Series device and, if possible, an Internet connection. You should also be able to supply the serial number of the device, which you find on the Service tag label, position 14 in *Figure 3.1 Tobii M-Series Tablet, page 10*.

For further product information and other support resources, please visit [www.tobii.com](http://www.tobii.com) or [www.myDynaVox.com](http://www.myDynaVox.com).

## A2 Warranty

Please read the Manufacturer's Warranty paper included in the package.

Please read this User's Manual carefully before using the device. The warranty is only valid if the device is used according to the User's Manual. Disassembling the Tobii M-Series device will void the warranty.



### **Keep the original packaging materials for the Tobii M-Series.**

In case the device needs to be returned to Tobii for Warranty related issues or repair, it is required that the original packaging (or equal equivalent) is used for shipping.

## A3 Training Resources

Tobii and DynaVox offer a range of training resources for the Tobii M-Series products and related communication products. You can find them on the, [www.tobii.com](http://www.tobii.com) or [www.myDynaVox.com](http://www.myDynaVox.com), including Getting Started Guides, webinars and Quick guides. The Tobii M-Series Quick Start Manual is delivered with, and stored on, the Tobii M-Series device.

# Appendix B Compliance Information

## B1 FCC Statement

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.



Modifications not expressly approved by Tobii Technology could void the user's authority to operate the equipment under FCC rules.

## B2 CE Statement

The Tobii M-Series Device consists of the tablet and the Bluetooth® Speaker. The Tobii M-Series Device complies with the following Directives:

- 93/42/EEC(MDD) - Medical Device Directive
- 2011/65/EU(RoHS 2) - Restriction of Hazardous Substances Directive
- R&TTE 1999/5/EG(R&TTE) - European Radio equipment and Telecommunications Terminal Equipment Directive
- 2004/108/EC(EMC) - Electromagnetic Compatibility Directive
- 2006/95/EC(LVD) - Low Voltage Directive



# Appendix C Technical Specifications

## C1 Tobii M-Series Tablet Device

Standard	Tobii M-8
Type/Model	M-8
Screen	8.0", Aspect ratio: 16:9, LED Backlight Unit, White Luminance 400 cd/m <sup>2</sup>
Screen Resolution	1280 × 800 pixels (HD)
Touch Panel	Supports Capacitive 10 Finger Touch and Optional Active Stylus
Dimensions (WxHxD)	130 × 216,2 × 9 mm 5.12 × 8.51 × 0.35 inches
Weight	393,8 g 0,868 lbs
Speakers	Power / Peak Power : 1×1 Wrms / 1×1.5 Wpeak, 4 ohms
Microphone	1 × Noise Reduction Digital Microphone
Processor	Intel® Atom™ Processor Z3740D 1.8 GHz with Intel® Burst Technology
Graphics	Intel® Graphics Media Accelerator
RAM	2 GB DDR3L SDRAM (1333 MHz) integrated
Operating system	Microsoft® Windows 8.1 Pro 32-Bit
Hard disk drive	eMMC 64GB
SD-Card	MicroSD-Card 16 GB
Connectors	1 × micro USB 2.0 (charge and connect device combo port) 1 × 3.5 mm" Headset/Audio-out port (stereo) with jack detection (Headphone and microphone port)
Buttons	1 × Power On 1 × Volume Up 1 × Volume Down 1 × Windows Button
WLAN/Bluetooth®	Qualcomm 6234 WIFI/BT module (IEEE802.11 a/b/g/n MIMO 2×2 two antennas are supported) Wi-Fi Certified for 802.11a, 802.11b, 802.11g, 802.11n, WMM, WPA, WPA2, and WPS Bluetooth® 4.0, Range up to 10 m, 128-bit encryption
Camera	User Camera (back) 5 MP AF (Auto Focus), Supports 1080P @30 FPS Web Camera (front) 1.2 MP AF (Auto Focus), Supports 720p @ 30 FPS
Battery Run Time <sup>l</sup>	~10.5 h
Battery Technology	Li-ion rechargeable battery
Battery Capacity	18 Wh
Battery Nominal Voltage	3.7 VDC
Battery Charge Time	Maximum 5 h (0-100%)
Deskstand	Integrated

<b>Standard</b>	<b>Tobii M-8</b>
<b>Type/Model</b>	<b>M-8</b>
<b>Power Supply</b>	10 Watt AC adapter
i. Continuous communication in Tobii Communicator or DynaVox Compass with Bluetooth® speaker and WLAN connected.	

## C2 Tablet Power Adapter

Item	Specification
Input voltage	100 to 240 VAC
Input current (max)	0.5 A
Input frequency	50 to 60 Hz
Output current	2 A
Rated output voltage	5 VDC
Weight	0.044 kg / 0,097 lbs
Dimensions	27.5 × 43 × 59 mm / 1.08 × 1.69 × 2.32 in
Operational Temperature range	0 – 40 °C / 32 – 104 °F
Storage	-30 – 80 °C / -22 – 176 °F

## C3 Bluetooth® Speaker

Item	Specification
Playback time	Up to 14 hours (minimum 6 hours continuous play)
Charging time	2 hours
Battery technology	Rechargeable Lithium Ion
Battery charging interface	5 VDC micro USB
Total output power	2 × 3 W
Loudness	90 dB @ 0,61 m / 2 ft (wireless) / 94 dB @ 0,61 m / 2 ft (wired)
IP class	IP53
Audio input/output	3.5 mm / 1/8" female jack
Controls	Track control, speakerphone, volume
Indicator	Tri color LED
Other features	Microphone, hip clip, replaceable grill
Product weight	0,180 kg / 0,40 lbs
Product dimensions (w×h×d)	85 × 80 × 54 mm / 3.35 × 3.15 × 2.13 in

# Appendix D    Approved Accessories

For information about the latest approved Accessories for the Tobii M-Series, please visit [www.tobii.com](http://www.tobii.com), [www.myDynaVox.com](http://www.myDynaVox.com) or contact your local Tobii or DynaVox reseller.



## Support for Your Tobii Device

### Get Help Online

Before contacting us, see the product-specific Support page for your Tobii device. It contains up-to-date information about issues and tips & tricks related to the product. Find our Support page online at: <http://www.tobii.com/assistivesupport>.

### Contact Your Reseller

For questions or problems with your product, contact Customer Support at your Tobii Reseller for assistance. They are most familiar with your personal setup and can best help you with tips and product training. For our Resellers contact details, see <http://www.tobii.com/en/assistive-technology/global/Contact/>

## Tobii Support Offices

#### Europe

support@tobii.com  
Phone: +46 8 522 950 20  
Support hours: 8 AM - 6 PM  
Between July-August: 9 AM - 5 PM  
(Central European Time, UTC +1)

#### Austria, Germany, Switzerland

support@tobii.com  
Phone: +49 69 24 75 03 4-28  
Support hours: 8 AM - 6 PM  
Between July-August: 9 AM - 5 PM  
(Central European Time, UTC +1)

#### North America (Boston)

techsupport@tobiiATI.com  
Toll-Free: +1-800-793-9227  
Phone: +1-781-461-8200  
Support hours: 9 AM - 9 PM  
(US Eastern Standard Time, UTC -6)

#### North America (Pittsburgh)

support@dynavoxtech.com  
Phone: +1-866-396-2869  
Support hours: 8 AM - 6 PM  
(US Eastern Standard Time, UTC -6)

#### China

support.cn@tobii.com  
Phone: +86 512 6936 2880-814  
Support hours: 9 AM - 5:30 PM  
(China Standard Time, UTC +8)

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