

Tobii Dynavox Mobile Mini User's Manual



User's manual Tobii Dynavox Mobile Mini

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1 Introduction

Thank you for purchasing a Mobile Mini from Tobii Dynavox!

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

The Tobii Dynavox Mobile Mini is a speech generating device (SGD) for people who have challenges in their ability to speak due to injury, disability or illness.



Read and comply with all safety, warranty, and regulatory information supplied by Apple in regard to the iPad® included with the Mobile Mini.

1.1 Explanation of Admonitions

In this manual we use five (5) levels of admonitions as follows:



The Note symbol is used for notifying the user of something important or of something that needs special attention.



The Caution symbol is used to inform of something that could cause harm to, or malfunction of, the equipment.



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



The High Volume symbol is used to inform of something that can cause damage to hearing.



The High Temperature symbol is used to inform of surface temperature conditions that may cause injury or discomfort.

1.2 Symbols and Markings

This section provides information about the symbols that are used on the Mobile Mini, its accessories, or packaging.

Symbol or Markings	Description
	Safety Class II double insulated equipment.
IP22	Enclosure ingress protection code per IEC 60529
	Dispose of in accordance with your country's requirements.
CE	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.
	The new DOE Level VI efficiency standard mandates that No-Load power consumption does not exceed 0.100 W for EPS ranging from <1 W to ≤ 49 W and does not exceed 0.210W for EPS >49W to ≤250W.
	Australian Electrical Equipment Safety System Regulatory Compliance Mark.

1.3 Intended Use

The Tobii Dynavox Mobile Mini is a speech generating device (SGD) for people who have challenges in their ability to speak due to injury, disability or illness.

The Tobii Dynavox Mobile Mini is a class I medical device.



CONTRAINDICATION: The Mobile Mini device does not sustain or support life.

In case of failure of the Mobile Mini, the user may not be able to communicate using it.



Intended use is primarily an indoor environment.

1.4 Package Contents



It is recommended to keep the original packaging materials for the Mobile Mini.

If the device needs to be returned to Tobii Dynavox for Warranty-related issues or repair, it is beneficial that the original packaging or equivalent is used for shipping. Most shipping carriers require at least 2 inches of packing material around the device.

Note: Due to Joint Commission regulations, any shipping materials (including boxes) sent to Tobii Dynavox must be discarded.

The items below are included in the Mobile Mini package:

- 1 iPad mini 5 Wi-Fi 64 GB
- 1 Rugged xCase for iPad Mini 7.9-inch
- 1 Lightning to USB Cable
- 1 USB Power Adapter
- 1 Tote Bag
- 1 User's Manual Document (PDF on the device)
- 1 Getting Started Guide (printed)
- 1 Warranty Document (printed)

2 Safety

The Mobile Mini device has been tested and approved as compliant to all the Specifications and Standards listed in *Appendix B Compliance Information, page 18* of this manual and in the *Appendix C Technical Specifications, page 19*. Nevertheless, in order to ensure safe operation of your Mobile Mini, there are a few safety warnings to bear in mind:



No modification of this equipment is allowed.



The user may never attempt to change the battery. Altering of the battery may cause risk of explosion.



The Mobile Mini 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 Mobile Mini device.



The strap and charging cable could present strangulation hazards to young children. Never leave small children unattended with the strap or charging cable.



The Mobile Mini device shall not be exposed to or used in rain or weather conditions outside the Technical Specification of the Mobile Mini device.



Young children or people with cognitive disabilities should not have access to, or use, the Mobile Mini device without parental or guardian supervision.



The Mobile Mini device shall be used with care when moving around.

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 power source shall conform to the requirement of the Safety Extra Low Voltage (SELV) standard, and supply power with rated voltage which conforms to Limited power Source requirement according to IEC60950-1.



The Mobile Mini device contains a rechargeable battery. All rechargeable batteries degrade over time. Thus the possible usage times for the Mobile Mini after a full charge can become shorter over time than when the device was new.



The Mobile Mini device uses a lithium-polymer battery.

If you are in a hot environment, be aware that it can affect the ability to charge the battery. The internal temperature has to be between 0 °C/32 °F and 45 °C/113 °F for the battery to charge. If the internal battery temperature raises above 45 °C/113 °F, the battery will not charge at all.

Move the Mobile Mini device to a cooler environment to let the battery charge properly.



Avoid exposing the Mobile Mini device to fire or to temperatures above 60 °C/140 °F. These conditions may cause the 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 Mobile Mini device, in a hot car trunk could conceivably lead to a malfunction.



Only charge the Mobile Mini battery in an ambient temperature of 0 °C/32 °F to 35 °C/95 °F.



Use only the supplied power adapter to charge the Mobile Mini device. Using unauthorized power adapters may severely damage the Mobile Mini device.



For safe operation of the Mobile Mini device, use only the charger and accessories approved by Tobii Dynavox.



Do not open, or modify, the casing of the Mobile Mini device or of the power supply, since you may be exposed to potentially hazardous electrical voltage. The device contains no serviceable parts. If the Mobile Mini device or its accessories are mechanically damaged, **do not use them**.



If the battery is not charged or the Mobile Mini is not connected to the power supply, the Mobile Mini device will shut down.



If the Power Supply Cord is damaged, it needs to be replaced. Do not use the Power Supply Cord until replaced.



Disconnect the AC power plug of the Power adapter from the wall socket when not charging the device and disconnect the power cable from the device.



Special regulations apply to shipping devices containing lithium-polymer batteries. If dropped, crushed, or short-circuited, these batteries can release dangerous amounts of heat, may ignite, and may be 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



The Power adapter shall not be used without an adult or caregiver supervision.

2.3 Temperature



Due to use in direct sunshine or in any other hot environment, the Mobile Mini device may have hot surfaces.

2.4 Mounting



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

2.5 Emergency



Do not rely on the Mobile Mini device for emergency calls. We recommend having multiple ways to communicate in emergency situations.

2.6 Electricity



Do not open the casing of the Mobile Mini device, since you may be exposed to potentially hazardous electrical voltage. The device contains no user serviceable parts.

2.7 Child Safety



The Mobile Mini is an advanced computer systems and electronic device. 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.

2.8 Third Party



Any use of the Mobile Mini outside the intended use and together with any third party software or hardware that changes the intended use is a risk and nothing that Tobii Dynavox can take any responsibility for.

3 Overview of the Mobile Mini

3.1 Key Features

The Mobile Mini has several built-in features.

- Speaker
- Microphone
- Wi-Fi 802.11a/b/g/n
- Bluetooth 5.0

3.2 Product Layout

3.2.1 Ports and Device Buttons

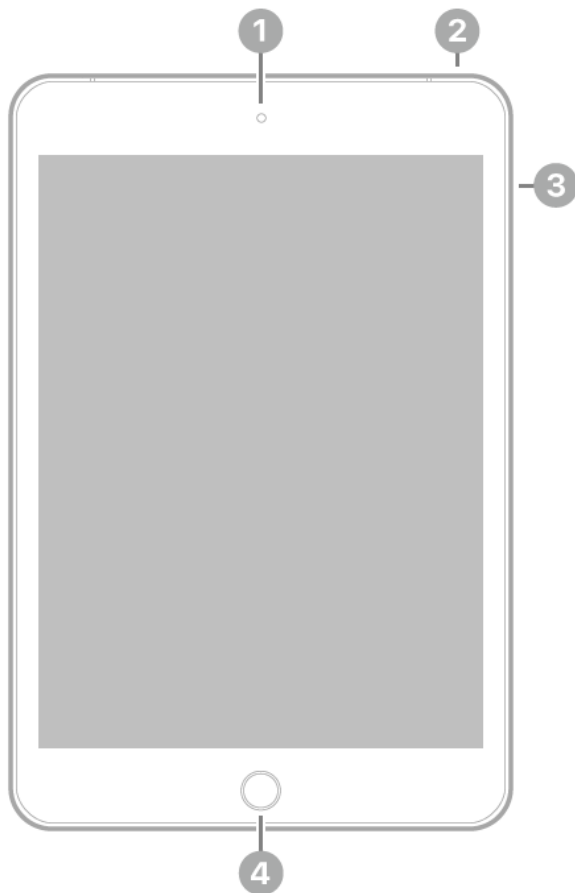


Figure 3.1 Front and Top View

Position	Description
1	Front camera
2	Top button
3	Volume buttons
4	Home button / Touch ID



Figure 3.2 Side Views

Position	Description
5	Rear camera
6	Headphone jack
7	Lightning connector
8	Speakers



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.

3.3 Pre-installed Firmware

The Mobile Mini is delivered with all required firmware installed and ready to use.

4 Batteries in the Mobile Mini

4.1 Batteries

The Mobile Mini contains one battery. The battery can be charged using the provided USB charging plug. If the Mobile Mini is not charged or powered up by the power supply, the Mobile Mini will shut down automatically.

4.2 Charging the Mobile Mini

1. Connect the Power cable to the charging port on the Mobile Mini and to the Power adapter.
2. Connect the Power adapter to an electrical outlet.
3. Charge the Mobile Mini until the battery is fully charged.
4. After the Mobile Mini is fully charged, disconnect the charger from both the device and the electrical outlet.



You **can't** overcharge the battery. It is fine to charge the battery overnight.

You **can** use the Mobile Mini while the battery is charging.



Because of internal chemical reactions, battery performance may deteriorate over time. In addition, failure to keep the conditions of use (charge, discharge, ambient temperature, etc.) within specified ranges may shorten the battery life expectancy, or damage your Mobile Mini device. If the battery cannot maintain a charge for long periods of time, even when it is charged correctly, it may need to be replaced.

The battery may need to be replaced every 12 to 18 months with typical use. Don't try to replace the battery yourself. The battery is internal and is not intended for service or replacement by the user or anyone other than a Tobii Dynavox technician.

For battery storage and charging temperatures, see *2.2 Power Supply and Batteries, page 7*.

5 Using the Mobile Mini

5.1 Starting the Device

1. Follow the instructions in: <https://support.apple.com/guide/ipad/ipad995bb83d/14.0/ipados/14.0>.

5.2 Battery Status and Battery Usage

The Mobile Mini battery status is monitored through the iPad®.

1. Follow the instructions in: <https://support.apple.com/guide/ipad/ipad997da965/14.0/ipados/14.0><https://support.apple.com/nb-NO/guide/ipad/ipad995bb83d/14.0/ipados/14.0>.



The Mobile Mini battery displays in 10% status increments. When the battery reaches 10%, the Mobile Mini should be connected to a power source, otherwise it will power off soon.

The Power saving settings in the Mobile Mini are preset to optimize the battery run-time. The Mobile Mini is designed to remain powered on.

5.3 Adjusting the Volume

To adjust the volume, use the Volume buttons (Position 3 in *Figure 3.1 Front and Top View, page 11*) on the Mobile Mini.



Volume adjustments can be done in TD Snap® or iOS software on the iPad.

5.4 Adjusting the Sound

You can configure the speakers using the **iOS Settings > Music > EQ**.



The Mobile Mini includes a hole to allow use of the iPad internal microphone for audio input. In some circumstances, the case can cause interference with audio input. To achieve the best audio input quality, try temporarily removing the iPad from the case or using an external microphone plugged into the iPad.

5.5 iPad

For information about how to use iOS on the iPad, please go to: <https://support.apple.com/guide/ipad/welcome/ipados>

6 Product Care

6.1 Temperature & Humidity

6.1.1 General Use - Operating Temperature

The Mobile Mini 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: 5% to 95% (no condensation on the device)
- Maximum operating altitude: 3000 m (10,000 feet)

6.1.2 Transportation and Storage

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

- Temperature: -20°C to 45°C (-4°F to 113°F)
- Relative humidity: 5% to 95% (no condensation on the device)

The Mobile Mini 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.

6.1.3 Charging

For charging, the recommended range for temperature and the humidity value for the device is as follows:

- Temperature: 0°C to 35°C (32°F to 95°F)
- Relative humidity: 5% to 95% (no condensation on the device)

6.2 Cleaning of the Mobile Mini Device

1. Before cleaning, fully shut down your device.
2. Unplug your device.
3. Remove all cables.
4. Wipe over all external surfaces using hospital grade cleaning wipes or equivalent disinfectant wipe for infection control.
5. Allow the device to dry naturally.
6. Any accessories included must also be disinfected in the same way.
7. If streaky residue remains from cleaning, buff screen with a soft dry cloth.
8. Dispose of used cleaning materials properly.



Do not use spray products directly on to the device as these may saturate the device and allow unwanted moisture into the unit.

6.3 Placement

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

6.4 Transporting the Mobile Mini

Disconnect all the cables from the Mobile Mini while carrying the device.



It is recommended to keep the original packaging materials for the Mobile Mini.

If the device needs to be returned to Tobii Dynavox for Warranty-related issues or repair, it is beneficial that the original packaging or equivalent is used for shipping. Most shipping carriers require at least 2 inches of packing material around the device.

Note: Due to Joint Commission regulations, any shipping materials (including boxes) sent to Tobii Dynavox must be discarded.

6.5 Disposing of the Mobile Mini Device

Do not dispose of the Mobile Mini device in general household or office waste. Follow your local regulations for the disposal of electrical and electronic equipment.

6.6 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.

Appendix A Support, Warranty, Training Resources

A1 Customer Support

For support, please contact your local representative or Support at Tobii Dynavox. In order to receive assistance as quickly as possible, make sure you have access to your Mobile Mini 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 back of the device.

For further product information and other support resources, please visit the Tobii Dynavox website www.tobiidynavox.com.

A2 Warranty

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



iPads purchased together with Mobile Mini are not covered by this manufacturer's warranty



Tobii Dynavox does not warrant that the Software on the Mobile Mini will meet your requirements, that the operation of the software will be uninterrupted or error-free, or that all software errors will be corrected.



Tobii Dynavox does not warrant that the Mobile Mini will meet Customer requirements, that the operation of the Mobile Mini will be uninterrupted, or that the Mobile Mini is free from bugs or other defects. Customer acknowledges that the Mobile Mini will not function for all individuals and in all light conditions.

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 Mobile Mini device will void the warranty.



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If the device needs to be returned to Tobii Dynavox for Warranty-related issues or repair, it is beneficial that the original packaging or equivalent is used for shipping. Most shipping carriers require at least 2 inches of packing material around the device.

Note: Due to Joint Commission regulations, any shipping materials (including boxes) sent to Tobii Dynavox must be discarded.

A3 Training Resources

Tobii Dynavox offer a range of training resources for the Mobile Mini products and related communication products. You can find them on www.tobiidynavox.com

Appendix B Compliance Information

B1 CE Statement

This equipment complies with the Radio Equipment Directive (RED) 2014/53/EU to meet the regulation of the radio equipment and telecommunications terminal equipment.

B2 Directives and Standards

The Mobile Mini complies with the following directives:

- Medical Device Regulation (MDR) 2017/745/EU
- Radio Equipment Directive (RED) 2014/53/EU
- RoHS2 Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- EN 62368-1
- EN 60950

The device has been designed to comply with ISO 14971:2019 and other relevant standards for the intended markets.

Appendix C Technical Specifications

C1 Mobile Mini

Standard	Mobile Mini
Type	Communication device
Model	Mobile Mini
Dimensions (WxHxD)	203.2 × 134.8 × 6.1 mm 8.0 × 5.31 × 0.24 inches
Weight	300.5 g 10.62 oz
Speakers	Stereo
Connectors	2 × 3.5 mm Switch Jack Ports 1 × Lightning
Buttons	1 × Volume Up and Down 1 × Home 1 × Top
Bluetooth®	Bluetooth® 5.0
Battery Run Time	~ 10 hours. normal usage
Battery Technology	Lithium-polymer rechargeable battery
Battery Capacity	19.1 Wh
Battery Charge Time	~ 4 hours
Power Supply	12 W AC adapter
IP Class	IP22

C2 Power Adapter

Item	Specification
Model	A1401
Input voltage	100 to 240 VAC
Input current (max)	0.5 A
Input frequency	50 to 60 Hz
Output current	2,4A
Rated output voltage	5,2 VDC
Rated output effect	12 W

Appendix D Approved Accessories

For information about the latest approved accessories for the Mobile Mini, please visit www.TobiiDynavox.com or contact your local Tobii Dynavox reseller.

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Support for Your Tobii Dynavox Device

Get Help Online

See the product-specific Support page for your Tobii Dynavox device. It contains up-to-date information about issues and tips & tricks related to the product. Find our Support pages online at: www.TobiiDynavox.com/support-training

Contact Your Solution Consultant or Reseller

For questions or problems with your product, contact your Tobii Dynavox solution consultant or authorized reseller for assistance. They are most familiar with your personal setup and can best help you with tips and product training. For contact details, visit www.TobiiDynavox.com/contact