

**TD Navio**  
User's Manual



## User's Manual TD Navio

Version 1.0

2024-04-29

All rights reserved.

Copyright © Tobii Dynavox AB (publ)

No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form, by any means (electronic, photocopying, recording, or otherwise) without the prior written permission of the publisher.

Copyright protection claimed includes all forms and matters of copyrightable material and information allowed by statutory or judicial law or hereafter granted, including without limitation, material generated from the software programs which are displayed on the screen such as screen displays, menus, etc.

The information contained in this document is proprietary to Tobii Dynavox. Any reproduction in part or whole without prior written authorization by Tobii Dynavox is prohibited.

Products that are referred to in this document may be either trademarks and/or registered trademarks of the respective owners. The publisher and the author make no claim to these trademarks.

While every precaution has been taken in the preparation of this document, the publisher and the author assume no responsibility for errors or omissions, or for damages resulting from the use of information contained in this document or from the use of programs and source code that may accompany it. In no event shall the publisher and the author be liable for any loss of profit or any other commercial damage caused or alleged to have been caused directly or indirectly by this document.

Content subject to change without notice.

Please check Tobii Dynavox website.

[www.TobiiDynavox.com](http://www.TobiiDynavox.com) for updated versions of this document.

### Contact Information:

Tobii Dynavox AB  
Löjtnantsgatan 25  
115 50 Stockholm  
Sweden

+46 8 522 950 20

Tobii Dynavox LLC  
2100 Wharton Street, Suite 400  
Pittsburgh, PA 15203  
USA

+1-800-344-1778

Tobii Dynavox Ltd.  
Sheffield Technology Parks  
Cooper Buildings  
Arundel Street  
Sheffield S1 2NS  
United Kingdom

+44 (0)114 481 00 11

Tobii Dynavox (Suzhou) Co. Ltd  
Unit 11/12, Floor 3, Building B, No.5 Xinghan Street, SIP,  
Suzhou  
P.R.China 215021

+86 512 69362880

Device Identifiers for TD Navio:

- Mini: xyz1
- Midi: xyz2
- Maxi: xyz3



# Table of Contents

<b>1</b>	<b>Introduction.....</b>	<b>5</b>
1.1	Explanation of Admonitions .....	5
1.2	Symbols and Markings.....	5
1.3	Product Label.....	6
1.4	Intended Use.....	7
1.4.1	Intended User Profile .....	7
1.4.2	Portable Use .....	7
1.4.3	Mounted Use.....	7
1.5	Package Contents.....	8
<b>2</b>	<b>Safety.....</b>	<b>9</b>
2.1	Avoiding Hearing Damage .....	9
2.2	Power Supply and Batteries.....	10
2.3	High Temperature .....	11
2.4	Emergency.....	11
2.5	Electricity.....	11
2.6	Child Safety.....	11
2.7	Magnetic Field.....	11
2.8	Third Party .....	11
<b>3</b>	<b>Overview of the TD Navio .....</b>	<b>12</b>
3.1	Key Features.....	12
3.2	Product Layout.....	12
3.2.1	Mini, Midi and Maxi .....	12
3.2.2	Ports, Sensors, and Device Buttons .....	13
3.2.2.1	TD Navio Mini.....	13
3.2.2.2	TD Navio Midi.....	14
3.2.2.3	TD Navio Maxi.....	15
3.3	Pre-installed Software and Firmware .....	15
<b>4</b>	<b>Batteries in TD Navio .....</b>	<b>16</b>
4.1	Batteries .....	16
4.2	Charging the TD Navio .....	16
<b>5</b>	<b>Using the TD Navio.....</b>	<b>17</b>
5.1	Starting the Device.....	17
5.2	Powering Down the TD Navio.....	17
5.3	Attaching the Shoulder Strap .....	17
5.4	Removing the TD Navio from the Protective Case .....	17
5.5	Inserting the TD Navio to the Protective Case.....	17
5.6	Battery Status and Power Saving .....	18
5.7	Adjusting the Volume .....	18
5.8	Hard Reset of TD Navio.....	18

5.9	iPadOS.....	18
<b>6</b>	<b>Product Care .....</b>	<b>19</b>
6.1	Temperature & Humidity .....	19
	6.1.1 General Use - Operating Temperature .....	19
	6.1.2 Transportation and Storage .....	19
	6.1.3 Charging.....	19
6.2	Cleaning.....	19
	6.2.1 Cleaning of the Speakers.....	19
6.3	Placement.....	19
6.4	Transporting the Device.....	19
6.5	Disposing of the Device .....	20
<b>Appendix</b>		
<b>A</b>	<b>Support, Warranty, Training Resources.....</b>	<b>21</b>
A1	Customer Support.....	21
A2	Warranty .....	21
A3	Training Resources.....	21
<b>B</b>	<b>Compliance Information .....</b>	<b>22</b>
B1	FCC Statement .....	22
	B1.1 For Part 15B Equipment.....	22
	B1.2 For Portable Devices.....	22
B2	Radio Wave Exposure and Specific Absorption Rate (SAR) Information .....	22
B3	Industry Canada Statement .....	23
B4	CE Statement.....	24
B5	Directives and Standards.....	24
<b>C</b>	<b>Technical Specifications.....</b>	<b>25</b>
C1	TD Navio .....	25
C2	Power Adapter .....	25
<b>D</b>	<b>Approved Accessories.....</b>	<b>26</b>

# 1 Introduction

Thank you for purchasing a TD Navio from Tobii Dynavox!

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

The TD Navio device is a Tobii Dynavox Speech Generating Device (SGD) intended for use as an augmentative communication aid for those with speech, language, physical, and cognitive disabilities.

## 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

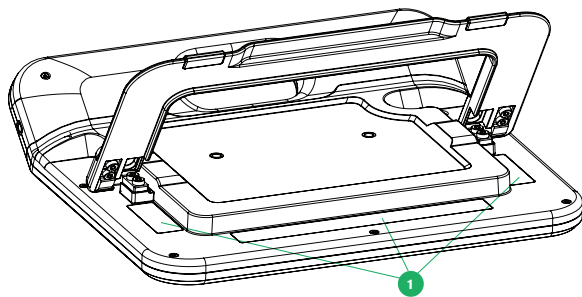
This section provides information about the symbols that are used on the TD Navio, its accessories, or packaging.

Symbol or Markings	Description
	Safety Class II double insulated equipment.
	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.
	The UKCA (UK Conformity Assessed) marking is a UK product marking that is used for goods being placed on the market in Great Britain (England, Wales and Scotland). It covers most goods which previously required the CE marking.
	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.
	Australian Electrical Equipment Safety System Regulatory Compliance Mark.
	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.

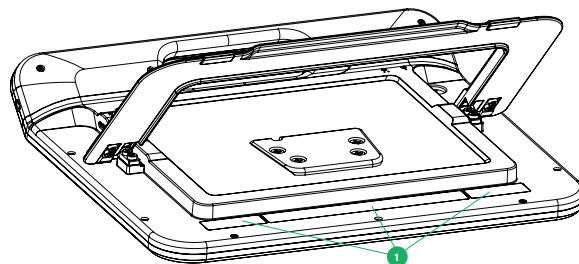
Symbol or Markings	Description
	Japanese certification for electrical/electronic appliances and components.
	China Compulsory Certificate.
	China RoHS compliance.
	Fulfills relevant and applicable safety requirements for the US and Canada.
	Indoor use only.
	The UL Energy Verified Certification Mark for Canada.
	The most recognized International Safety mark.
	Follow Instructions for Use
	DC Power connector
	Reduction of Hazardous Substances directive compliant.
	Conforms to relevant Japanese EMC requirements
+	Volume Up
-	Volume Down
IP22	Enclosure ingress protection code per IEC 60529.
	Manufacturer
	Medical Device Marking

### 1.3 Product Label

The product labels for the TD Navio are located under the Foldable Leg on the back of the device, see *Product Label*, page 7.



TD Navio Mini



TD Navio Midi and TD Navio Maxi

Position	Description
1	Product Label

Lift the Foldable Leg to access the product label.

## 1.4 Intended Use

The TD Navio is intended primarily as a speech generating device. The TD Navio is intended to provide, and act as, a compliment for everyday communication for people who have challenges in their ability to speak due to injury, disability or illness.



**Contraindication:** The TD Navio device should never be, for the user, the only means of communicating important information.

In case of failure of the TD Navio device, the user cannot communicate using it.



Intended use is primarily an indoor environment.

### 1.4.1 Intended User Profile

The Primary Users of the TD Navio are those individuals who, due to physical, language, and/or cognitive conditions, require an AAC device for Speech. It is appropriate for users of all ages.

### 1.4.2 Portable Use

A portable TD Navio can be hand-held used, and in two (2) different positions:

- Standing
- Resting

Through the built-in stand, the TD Navio can be used standing on a flat surface. By collapsing the stand, the device can also be used in a resting position, either resting on a surface or handheld. By utilizing the included carry strap, the device can also be carried around the user's neck. Both positions allow for touch input, scanning or other alternative input methods.

### 1.4.3 Mounted Use

The TD Navio can be mounted on to several mounting systems.

- ConnectIT
- REHAdapt
- Daessy
- IDEAS

## 1.5 Package Contents



It is recommended to keep the original packaging materials for the TD Navio.

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 TD Navio package:

- TD Navio Device
- TD Navio Protective Case
- TD Navio Shoulder Strap
- Carry Case
- Carry Case Shoulder Strap
- Charger with USB-C Cable
- TD Snap® (Pre-installed)
- TD Talk (Pre-installed)
- Screwdriver
- Safety and Compliance Document
- Getting Started Guide



## 2 Safety

The TD Navio device has been tested and approved as compliant to all the Specifications and Standards listed in *Appendix B Compliance Information, page 22* of this manual and in the *Appendix C Technical Specifications, page 25*. Nevertheless, in order to ensure safe operation of your TD Navio, there are a few safety warnings to bear in mind:



**No modification of this equipment is allowed.**



Repairs to a Tobii Dynavox device must only be performed by Tobii Dynavox or a Tobii Dynavox authorized and approved repair center.



**Contraindication:** The TD Navio device should never be, for the user, the only means of communicating important information.

In case of failure of the TD Navio device, the user cannot communicate using it.



The TD Navio is not waterproof. 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.



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



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



Young children or people with cognitive disabilities should not have access to, or use, the TD Navio device, with or without carry strap or other accessories, without parental or guardian supervision.

The TD Navio 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.

 The TD Navio device can produce sounds in decibel ranges that may cause hearing loss for a normal hearing person, even when exposed for less than a minute. The maximum sound level of the unit is in parity with the sound levels that a healthy young person can produce while screaming. Since the TD Navio device is intended as a voice prosthetic, it shares the same possibilities and potential risks of causing harm to hearing. The higher decibel ranges are offered to enable communication in a noisy environment and should be used with care and only in said noisy environments.

## 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 IEC62368-1.


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


 The TD Navio device uses a Li-ion 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 TD Navio device to a cooler environment to let the battery charge properly.


 Avoid exposing the TD Navio 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 TD Navio device, in a hot car trunk could conceivably lead to a malfunction.


 Only charge the TD Navio battery in an ambient temperature of 0 °C/32 °F to 45 °C/113 °F.


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


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

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


 If the battery is not charged or the TD Navio is not connected to the power supply, the TD Navio 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.

 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 Lithium-ion batteries. If dropped, crushed, punctured, thrown, abused 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/dgr/Pages/lithium-batteries.aspx>

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

## 2.3 High Temperature



If used in direct sunshine or in any other hot environment, the TD Navio device may have hot surfaces.

The TD Navio devices have built-in protections to prevent overheating. If the interior temperature of the TD Navio device exceeds the normal operating range, the TD Navio device will protect its internal components by attempting to regulate its temperature.

If the TD Navio device exceeds a certain temperature threshold, it will present a temperature warning screen.

To resume use of the TD Navio device as quickly as possible, turn it off, move it to a cooler environment (away from direct sunlight), and allow it to cool down.

## 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 TD Navio device, since you may be exposed to potentially hazardous electrical voltage. The device contains no user serviceable parts.

## 2.6 Child Safety



The TD Navio 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, including accessories, 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 Magnetic Field



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

## 2.8 Third Party



Tobii Dynavox assumes no responsibility for any consequence resulting from use of the TD Navio in a manner inconsistent with its intended use, including any use of the TD Navio with third-party software and/or hardware that changes the intended use.

# 3 Overview of the TD Navio

## 3.1 Key Features

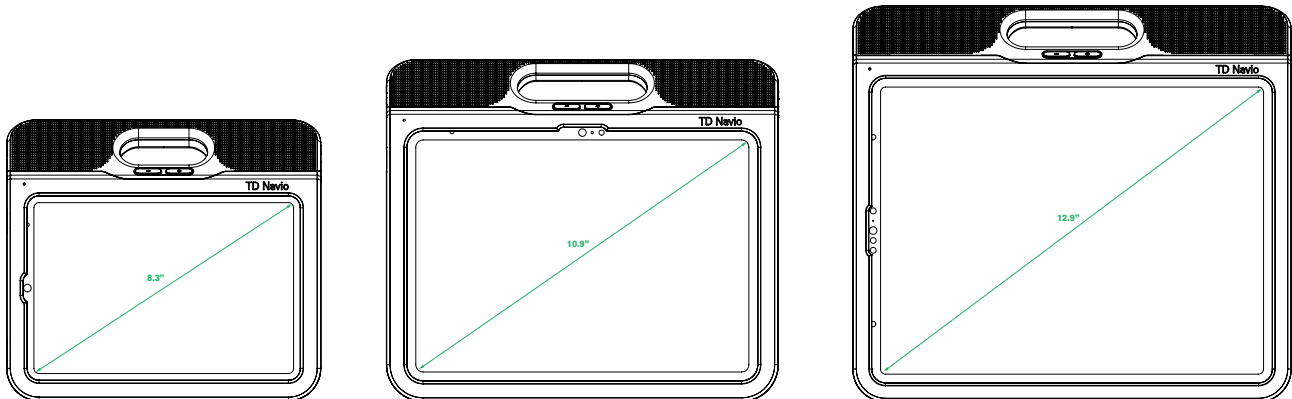
The TD Navio has several built-in features.

- 2 × Internal speakers
- 2 × 3,5 mm switch ports
- 1 × USB-C Charging port
- 1 × Microphone
- 1 × Audio jack

## 3.2 Product Layout

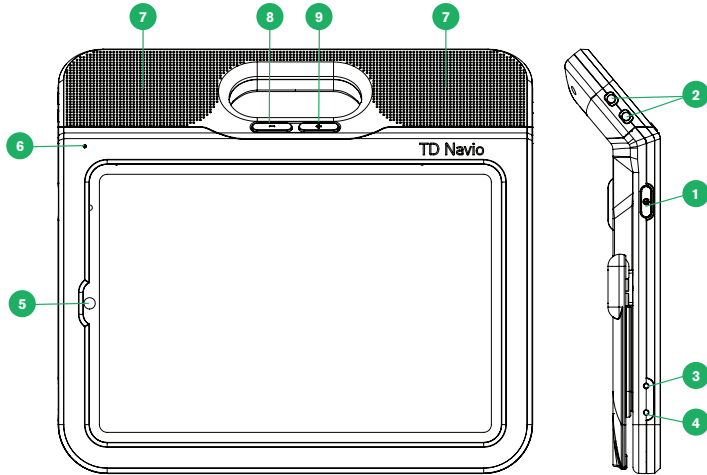
### 3.2.1 Mini, Midi and Maxi

The TD Navio device comes in three (3) different models. The Mini has a 8.3" screen with a 2266 x 1488 pixel resolution, the Midi has a 10.9" screen with a 2360 x 1640 pixel resolution and the Maxi has a 12.9" screen with a 2732 x 2048 pixel resolution.

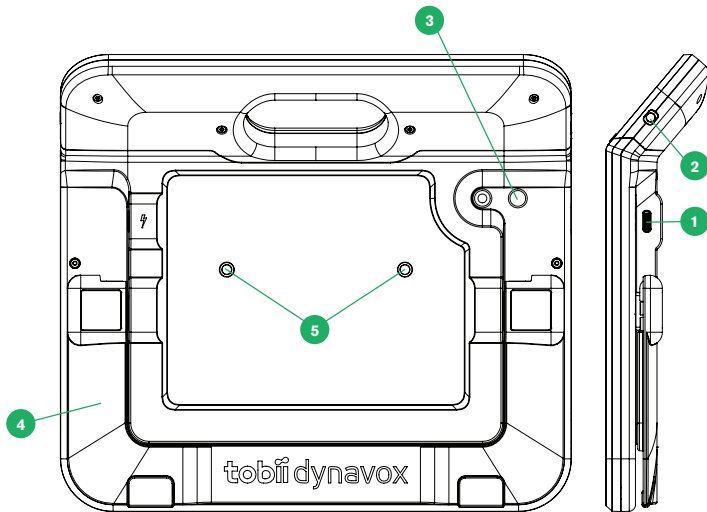


### 3.2.2 Ports, Sensors, and Device Buttons

#### 3.2.2.1 TD Navio Mini

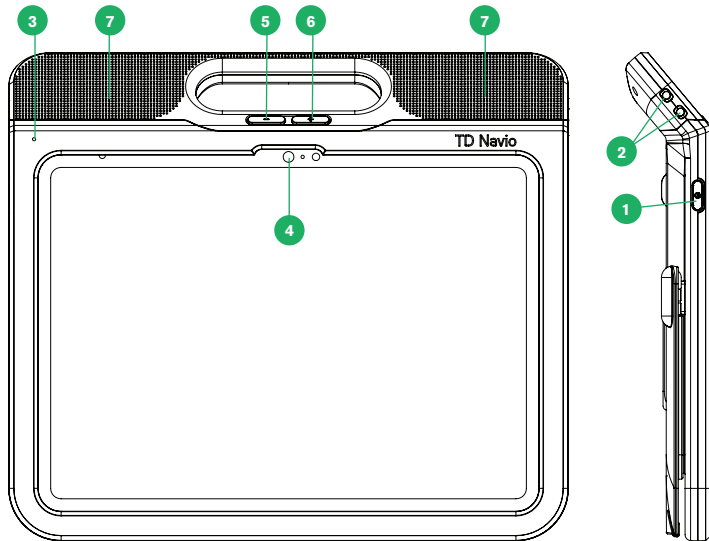


Position	Description
1	Power button
2	Switch Ports
3	Reset Button 1
4	Reset Button 2
5	Front Camera
6	Microphone
7	Speakers
8	Volume Down
9	Volume Up

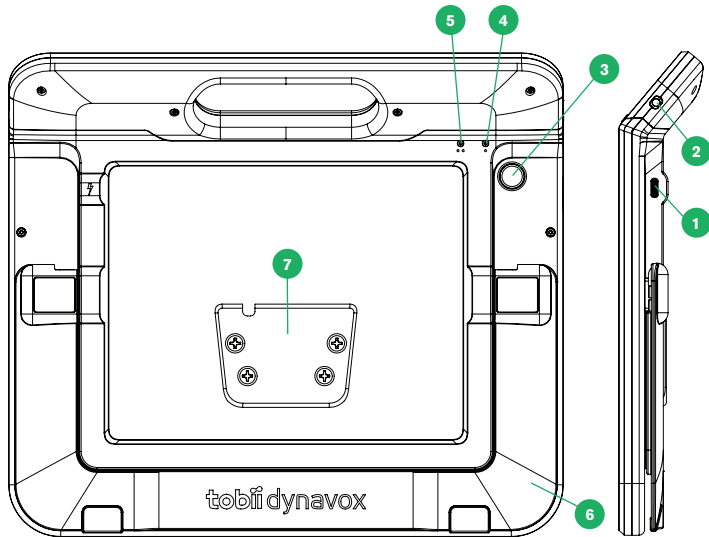


Position	Description
1	USB-C Power Connector
2	Audio Jack Port
3	Back Camera
4	Foldable Leg
5	Holes for Mounting Plate

### 3.2.2.2 TD Navio Midi

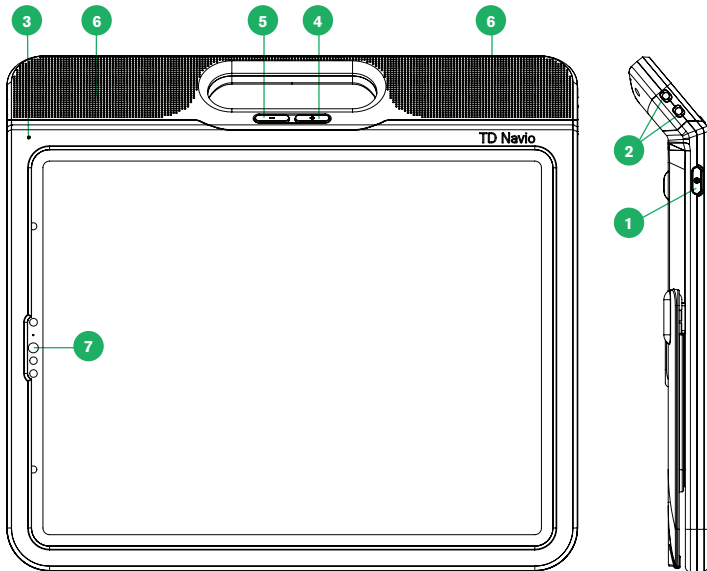


Position	Description
1	Power button
2	Switch Ports
3	Microphone
4	Front Camera
5	Volume Down
6	Volume Up
7	Speakers

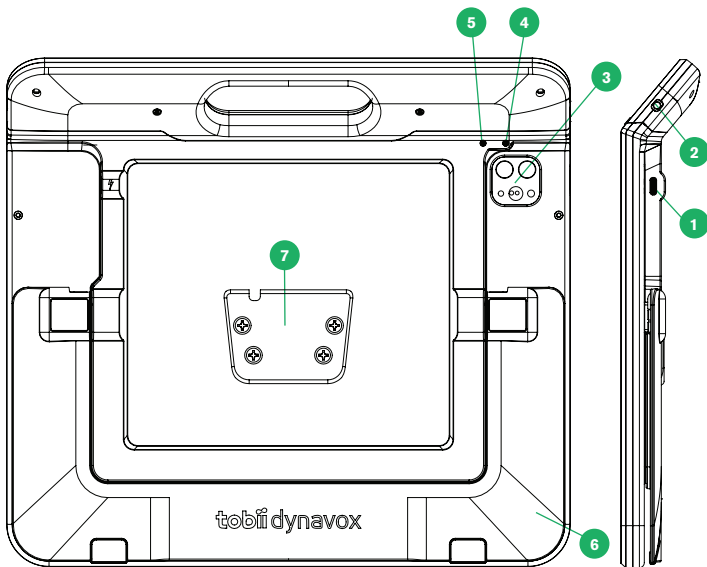


Position	Description
1	USB-C Power Connector
2	Audio Jack Port
3	Back Camera
4	Reset Button 1
5	Reset Button 2
6	Foldable Leg
7	Mounting Plate

### 3.2.2.3 TD Navio Maxi



Position	Description
1	Power button
2	Switch Ports
3	Microphone
4	Volume Up
5	Volume Down
6	Speakers
7	Front Camera



Position	Description
1	USB-C Power Connector
2	Audio Jack Port
3	Back Camera
4	Reset Button 1
5	Reset Button 2
6	Foldable Leg
7	Mounting Plate

## 3.3 Pre-installed Software and Firmware

The TD Navio device is delivered with all pre-ordered and required software and firmware installed and ready to use. Should a reinstallation become necessary at any stage, perform a factory reset using iPadOS built in factory restore options.

# 4 Batteries in TD Navio

## 4.1 Batteries

The TD Navio has two (2) built-in batteries. These batteries can both be charged using the provided USB-C DC Power Adapter. If the TD Navio batteries are not charged sufficiently, the TD Navio will shut down automatically.

## 4.2 Charging the TD Navio

1. Connect the USB-C DC Power adapter to the USB-C charging port on the TD Navio.
2. Connect the DC Power adapter to an electrical outlet.
3. Charge the TD Navio until the battery is fully charged.
4. After the TD Navio is fully charged, disconnect the Power Adapter from both the device and the electrical outlet.



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

You **can** use the TD Navio while the batteries are 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 TD Navio 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 *6.1.2 Transportation and Storage, page 19*.



# 5 Using the TD Navio

## 5.1 Starting the Device

To start the TD Navio press the Power button, see *3.2.2 Ports, Sensors, and Device Buttons, page 13* for reference.



The TD Navio is designed to remain powered on.

## 5.2 Powering Down the TD Navio

To power down the TD Navio follow these steps:

1. Hold down the Power button and one of the volume buttons (either one doesn't matter) at the same time, see *3.2.2 Ports, Sensors, and Device Buttons, page 13* for reference.  
The shutdown slider will appear on the TD Navio screen.
2. Shut down the TD Navio by using the shutdown slider.

## 5.3 Attaching the Shoulder Strap

1. Place the TD Navio on a table.
2. Take the TD Navio Device Shoulder Strap and detach both buckles from the main strap.  
The detached part of the Shoulder Strap will have a Buckle End and a Looped End.
3. Take one of the detached straps and feed the Loop-end through the hole on bottom-left side of the Protective Case.
4. Pass the Buckle-end through the loop and pull tight to secure the strap to the strap point.
5. Take the other detached straps and feed the Loop-end through the hole on bottom-right side of the Protective Case.
6. Pass the Buckle-end through the loop and pull tight to secure the strap to the strap point.
7. Attach both buckles to the main strap, to attach them to each other to make a small handle for the device.

## 5.4 Removing the TD Navio from the Protective Case

1. Place the TD Navio with the face down on a flat surface.
2. Use the enclosed screwdriver to loosen the screws. The screws are captive and will not detach from the Protective Case.
3. Lift up the foldable leg.
4. Separate the TD Navio front plate and body by pulling the two pieces apart.
5. Remove the TD Navio device.

## 5.5 Inserting the TD Navio to the Protective Case



Do not over-tighten the screws.



1. Separate the Protective Case front plate and body by pulling the two pieces apart.
2. Place the TD Navio on a flat surface with the screen facing down.
3. Lift up the Foldable Leg to a 90° angle.
4. Slide the back of the Protective case on to the TD Navio.
5. Close the Foldable Leg to secure the back of the Protective Case in place..
6. Flip the TD Navio 180° over with the screen facing up.
7. Align the hooks on the top of the front piece of the Protective case with the top of the TD Navio.
8. Squeeze around the edges to click it together.
9. Place the TD Navio with the face down on a flat surface.
10. Use the enclosed screw driver to tighten the screws.

## 5.6 Battery Status and Power Saving

Monitor the battery status for the TD Navio in the top right corner of the iPadOS device home screen.

## 5.7 Adjusting the Volume

To adjust the volume, use the Volume Up and Down buttons on the top of the TD Navio, see *3.2.2 Ports, Sensors, and Device Buttons, page 13* for reference.



Volume adjustments can also be done in TD Snap®, TD Talk, or iPadOS software on the TD Navio.

## 5.8 Hard Reset of TD Navio

To do a hard reset of TD Navio follow these steps:

1. Press and quickly release the **Reset 1** button.
2. Press the quickly release the **Reset 2** button.
3. Press and hold the **Power** button.
4. When the Apple logotype appears on the screen, release the **Power** button .



See *3.2.2 Ports, Sensors, and Device Buttons, page 13* for reference.

## 5.9 iPadOS

For information about how to use the iPadOS on the TD Navio, please go to:

Language	Link
English	<a href="https://support.apple.com/guide/ipad/welcome/ipados">https://support.apple.com/guide/ipad/welcome/ipados</a>
German	<a href="https://support.apple.com/de-de/guide/ipad/welcome/ipados">https://support.apple.com/de-de/guide/ipad/welcome/ipados</a>
French	<a href="https://support.apple.com/fr-fr/guide/ipad/welcome/ipados">https://support.apple.com/fr-fr/guide/ipad/welcome/ipados</a>
Spanish	<a href="https://support.apple.com/es-mx/guide/ipad/welcome/ipados">https://support.apple.com/es-mx/guide/ipad/welcome/ipados</a>
Dutch	<a href="https://support.apple.com/nl-nl/guide/ipad/welcome/ipados">https://support.apple.com/nl-nl/guide/ipad/welcome/ipados</a>
Swedish	<a href="https://support.apple.com/sv-se/guide/ipad/welcome/ipados">https://support.apple.com/sv-se/guide/ipad/welcome/ipados</a>
Norwegian	<a href="https://support.apple.com/no-no/guide/ipad/welcome/ipados">https://support.apple.com/no-no/guide/ipad/welcome/ipados</a>
Danish	<a href="https://support.apple.com/da-dk/guide/ipad/welcome/ipados">https://support.apple.com/da-dk/guide/ipad/welcome/ipados</a>
Simplified Chinese	<a href="https://support.apple.com/zh-cn/guide/ipad/welcome/ipados">https://support.apple.com/zh-cn/guide/ipad/welcome/ipados</a>
Japanese	<a href="https://support.apple.com/ja-jp/guide/ipad/welcome/ipados">https://support.apple.com/ja-jp/guide/ipad/welcome/ipados</a>
Italian	<a href="https://support.apple.com/it-it/guide/ipad/welcome/ipados">https://support.apple.com/it-it/guide/ipad/welcome/ipados</a>

# 6 Product Care

## 6.1 Temperature & Humidity

### 6.1.1 General Use - Operating Temperature

The TD Navio 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)
- Humidity: 10% ~ 90% (no condensation on the device)
- Atmospheric Pressure: 70 kPa to 106 kPa (525 mmHg to 795 mmHg)

### 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: -30°C to 70°C (-22°F to 158°F)
- Humidity: 5% to 90% @40°C (104°F)(no condensation on the device)
- Atmospheric Pressure: 70 kPa to 106 kPa (375 mmHg to 795 mmHg)



The TD Navio is not waterproof. 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 45°C (32°F to 113°F)
- Relative humidity: 5% to 90% (no condensation on the device)

## 6.2 Cleaning

Before cleaning the TD Navio 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 TD Navio speakers.



Do not use any sprays on the speakers. This could void the warranty.

## 6.3 Placement

Only use the recommended mounts specified by 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 uneven surfaces.

## 6.4 Transporting the Device

Disconnect all the cables from the TD Navio while carrying the device.

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



It is recommended to keep the original packaging materials for the TD Navio.

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 Device

Do not dispose of the TD Navio 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 Dynavox. In order to receive assistance as quickly as possible, make sure you have access to your TD Navio 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 under the leg.

For further product information and other support resources, please visit the Tobii Dynavox website [www.tobiidynavox.com](http://www.tobiidynavox.com).

## A2 Warranty

Please read the warranty located here: <https://www.tobiidynavox.com/pages/warranties>.



Tobii Dynavox does not warrant that the Software on the TD Navio 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 TD Navio will meet Customer requirements, that the operation of the TD Navio will be uninterrupted, or that the TD Navio is free from bugs or other defects. Customer acknowledges that the TD Navio 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. Opening/disassembling the TD Navio device will void the warranty.



It is recommended to keep the original packaging materials for the TD Navio.

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



No specific training is required for the safe and effective use of the primary operating functions of the TD Navio.

Tobii Dynavox offers a range of training resources for the TD Navio products and related communication products. You can find them on the Tobii Dynavox website, [www.tobiidynavox.com](http://www.tobiidynavox.com), including Getting Started Guides, and extensive training materials. The TD Navio Getting Started Guide is delivered with and stored on the device. The training cards are stored on the TD Navio device.

# Appendix B Compliance Information



The TD Navio is CE-marked, indicating compliance with the essential health and safety requirements set out in European Directives.

## 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 Dynavox could void the user's authority to operate the equipment under FCC rules.

### B1.1 For Part 15B Equipment

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.

### B1.2 For Portable Devices

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for typical hand held operations with the device contacted directly to the human body to the sides of the device. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

## B2 Radio Wave Exposure and Specific Absorption Rate (SAR) Information

The TD Navio device has been tested as a Class 1 Medical Device. Medical electrical equipment such as this requires special caution regarding Electro-magnetic Compatibility (EMC) and thus needs to be installed and placed into service according to the information provided in this manual.



Using other cables and accessories other than those provided or that are integrated in the device may affect EMC performance.

The SAR (Specific Absorption Rate) limit as dictated by the FCC (in the USA) and by the IC (in Canada) is 1.6W/kg averaged over 1 gram of tissue. In Europe/EU (CE regulations) it is 2.0 W/kg averaged over 10 grams of tissue. The Devices, Mini (FCC ID: xxx1), (IC ID: yyy1), Midi (FCC ID: xxx2), (IC ID: yyy2), and Maxi (FCC ID: xxx3), (IC ID: yyy3) have been tested against these SAR limits to maintain compliance with FCC/IC/CE RF exposure requirements.

This equipment complies with FCC/IC/EU RF radiation exposure limits set forth for an uncontrolled environment.

The highest SAR value for the Mini device is zzz1 W/kg, for the Midi device is zzz2 W/kg, and for the Maxi device is zzz3 W/kg .

In order to maintain compliance as a Class 1 Medical device, the switches that are used in combination with the TD Navio device must fulfill the isolation requirements of IEC/EN 60601-1 based on 15 V DC. They must be electrically floating switches (switches that are not grounded).

## B3 Industry Canada Statement

### Caution

- (i) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (iii) The maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iv) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

### Avertissement

- (i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5250 à 5350 MHz et de 5470 à 5725 MHz doit être conforme à la limite de la p.i.r.e.;
- (iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation non point à point, selon le cas;
- (iv) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LANEL.

This device contains IC ID: yyy1 and has been tested to the safety requirements for exposure to radio waves (SAR) in RSS-102 to the General Public (Uncontrolled Environment) limits (1.6W/Kg). The highest SAR value for the Mini device is zzz1 W/kg. This device can be operated safely with a minimum distance 0 cm between the equipment and the user's body.

This device contains IC ID: yyy2 and has been tested to the safety requirements for exposure to radio waves (SAR) in RSS-102 to the General Public (Uncontrolled Environment) limits (1.6W/Kg). The highest SAR value for the Midi device is zzz2 W/kg. This device can be operated safely with a minimum distance 0 cm between the equipment and the user's body.

This device contains IC ID: yyy3 and has been tested to the safety requirements for exposure to radio waves (SAR) in RSS-102 to the General Public (Uncontrolled Environment) limits (1.6W/Kg). The highest SAR value for the Maxi device is zzz3 W/kg. This device can be operated safely with a minimum distance 0 cm between the equipment and the user's body.

Ce dispositif contient IC ID: yyy1 a été testé aux exigences de sécurité pour l'exposition aux ondes radio (SAR) dans le CNR-102 à le grand public (environnement non contrôlé) des limites (1.6W/Kg). La valeur maximale mesurée de SAR pour le Mini dispositif est: zzz1 W/kg. Ce dispositif peut être exploité en toute sécurité avec un 0cm distance minimale entre le matériel et les corps de l'utilisateur.

Ce dispositif contient IC ID: yyy2 a été testé aux exigences de sécurité pour l'exposition aux ondes radio (SAR) dans le CNR-102 à le grand public (environnement non contrôlé) des limites (1.6W/Kg). La valeur maximale mesurée de SAR pour le Midi dispositif est: zzz2 W/kg. Ce dispositif peut être exploité en toute sécurité avec un 0cm distance minimale entre le matériel et les corps de l'utilisateur.

Ce dispositif contient IC ID: yyy3 a été testé aux exigences de sécurité pour l'exposition aux ondes radio (SAR) dans le CNR-102 à le grand public (environnement non contrôlé) des limites (1.6W/Kg). La valeur maximale mesurée de SAR pour le Maxi dispositif est: zzz3 W/kg. Ce dispositif peut être exploité en toute sécurité avec un 0cm distance minimale entre le matériel et les corps de l'utilisateur.

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.

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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## **B4 CE Statement**

This equipment complies with the requirements relating to electromagnetic compatibility, the essential protection requirement of Electromagnetic Compatibility (EMC) Directive 2014/30/EU on the approximation of the laws of the Member States relating to electromagnetic compatibility and Radio Equipment Directive (RED) 2014/53/EU to meet the regulation of the radio equipment and telecommunications terminal equipment.

## **B5 Directives and Standards**

The TD Navio complies with the following directives:

- Medical Device Regulation (MDR) (EU) 2017/745
- Electronic Safety IEC 62368-1
- Electromagnetic Compatibility (EMC) Directive 2014/30/EU
- Radio Equipment Directive (RED) 2014/53/EU
- RoHS3 Directive (EU) 2015/863
- WEEE Directive 2012/19/EU
- Reach Directive 2006/121/EC, 1907/2006/EC Annex 17
- Battery Safety IEC 62133 and IATA UN 38.3

The device has been tested to comply with IEC/EN 60601-1 Ed 3.1, EN ISO 14971:2019 and other relevant standards for the intended markets.

This device meets the necessary FCC requirements in accordance with CFR Title 47, Chapter 1, Subchapter A, Part 15 and Part 18.



# Appendix C Technical Specifications

## C1 TD Navio

Model	Mini	Midi	Maxi
Type	Touch Communication Device		
CPU	A15 Bionic chip (6-core CPU)	A14 Bionic chip (6-core CPU)	Apple M2 chip (8-core CPU)
Storage	256 GB	256 GB	256 GB
Screen Size	8.3"	10.9"	12.9"
Screen Resolution	2266 x 1488	2360 x 1640	2732 x 2048
Dimensions (WxHxD)	210 x 195 x 25 mm 8.27 x 7.68 x 0.98 inches	265 x 230 x 25 mm 10.43 x 9.06 x 0.98 inches	295 x 270 x 25 mm 11.61 x 10.63 x 0.98 inches
Weight	0.86 kg 1.9 lbs	1.27 kg 2.8 lbs	1.63 kg 3.6 lbs
Microphone	1×Microphone		
Speakers	2 × 31 mm × 9 mm, 4.0 ohms, 5 W		
Connectors	2×3.5mm Switch Jack Ports 1×3.5mm Audio Jack Port 1×USB-C Power Connector		
Buttons	1×Volume Down 1×Volume Up 1×Power Button		
Bluetooth®	Bluetooth 5.0	Bluetooth 5.2	Bluetooth 5.3
Battery Capacity	18.7Wh	32.4Wh	
Battery Run Time	Up to 10 hours		
Battery Technology	Li-ion Polymer rechargeable battery		
Battery Charge Time	2 hours		
IP Rating	IP22		

## C2 Power Adapter

Item	Specification
Trademark	Tobii Dynavox
Manufacturer	Tobii Dynavox
Model Name	NGE60-TD
Rated Input	100-240vac, 1.5A, 50/60Hz
Rated Output	5V/9V/12V/15V/20V, 3A, 60W max
Output Plug	USB type C

# Appendix D Approved Accessories

Description	Model	Tobii Dynavox Part No.
TD Navio AC Adapter (Power Supply)	Tobii Dynavox NGE60-TD	1000769

For information about the latest approved Accessories for the TD Navio, please visit [www.TobiiDynavox.com](http://www.TobiiDynavox.com) or contact your local Tobii Dynavox reseller.



Copyright © Tobii Dynavox AB (Publ). Not all products and services offered in each local market. Specifications are subject to change without prior notice. All trademarks are the property of their respective owners.

## 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: <https://www.tobiidynavox.com/pages/product-support>

### 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 <https://www.tobiidynavox.com/pages/contact-us>.