T-Series Devices
User's Manual

T7
T10
T15

tobii dynavox

User's manual T-Series Devices

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Table of Contents

1 Introduction 4
- 1.1 Explanation of Admonitions 4
- 1.2 Symbols and Markings 4
- 1.3 Intended Use 5
- 1.4 Package Contents 5
- 1.5 myTobiiDynavox 5
- 1.6 Additional Documentation 6

2 Safety 7

3 Overview of the T-Series device 9
- 3.1 T7 9
- 3.2 T10 11
- 3.3 T15 13

4 Turning the T-Series On for the First Time 16

5 Charging the Battery 17

6 Product Care 18
- 6.1 Temperature/Humidity/Atmospheric Pressure Ranges 18
- 6.2 Mounting/Transporting the T-Series 18
- 6.3 Product Cleaning/Handling 18
- 6.4 Cautions - Handling, Storage and Shipping 18
- 6.5 Disposing of the T-Series Device 19
- 6.6 Disposing of the Batteries 19

Appendix A Support, Warranty, Training Resources 20
- A1 Customer Support 20
- A2 Warranty 20
- A3 Training Resources 20

Appendix B Compliance Information 21
- B1 FCC Statement 21
  - B1.1 For P15B Equipment 21
  - B1.2 For Portable Devices 21
  - B1.3 Radio Wave Exposure and Specific Absorption Rate (SAR) Information 21
- B2 Industry Canada Statement 24
  - B2.1 English 24
  - B2.2 Français 25
- B3 CE Statement 25

Appendix C Technical Specifications 26

Appendix D Approved Accessories 28

1 Introduction

The Tobii Dynavox T7, T10, andT15 are integrated hardware and software solutions for Augmentative and Alternative Communication (AAC), a purpose built Speech Generating Device (SGD), which feature theCompass communication software.

This ***User's Manual*** provides an overview of the basic operation of your T7, T10, andT15 Android tablets. It points out key hardware features and describes the most frequently-used features and functions of your device.

1.1 Explanation of Admonitions

In this manual we use five (5) 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.

Is used to inform of something that cause permanent bodily harm with prolonged skin contact if the Warning is ignored.

1.2 Symbols and Markings

This section provides information about the symbols that are used on the T-Series, its accessories or packaging.

Symbol or Markings	Description
	Power On
	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.
	Consult User´s Manual
c UL us LISTED	Type L and Type R Listing Marks for Canada and the United States
	Conforms to relevant Australian EMC requirements

Symbol or Markings	Description
	Safety Class II equipment (reinforced insulation)
	This mark show the pin out polarity on the AC/DC Power Adapter.
-	Volume down
+	Volume up
	Electric Shock Type B
	Warning
	For indoor use
Intertek GS geprüfte Sicherheit	Product full compliant German Product Safety law

1.3 Intended Use

The T-Series devices are intended for use as an augmentative communication aid, computer access, and environmental control unit for those with speech, language, physical, and cognitive disabilities. Their intended purpose is to compensate for lack of speech due to injury or handicap, and to provide a means of controlling the environment for persons who are unable to reach environmental control equipment due to injury or handicap. The device is accessible via touchscreen, keyboard, mouse/trackball, switch, and head tracking. During use, theT-Series devices may be placed on a flat surface, held in hand, or mounted using an approved mount.

Your T-Series device is intended for everyday communication situations. It should not be relied upon as a means of communicating emergency medical information. We recommend having multiple ways to communicate information during a medical emergency.

1.4 Package Contents

The items below are included with your T-Series package:

- 1 Device (7″, 10″ or 15″)
- 1 Power Supply
- 1 Android operating system (installed)
- 1 Compass (pre-installed)
- 1 T-Series User's Manual (on the device)
- 1 Compass User's Manual (on the device)
- 1 Quick Start Manual (printed)

Keep the original packaging materials for the T-Series.

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

1.5 myTobiiDynavox

Go to www.myTobiiDynavox.com to register for an account and register your T-Series device.

The myTobiiDynavox Community offers a large and steadily increasing library of over 250 Knowledgebase articles that cover all aspects of the T-Series devices and the Compass software.

1.6 Additional Documentation

A ***Quick Start Guide*** was shipped with your T-Series device. This guide provides an overview of your T-Series device, walks you through starting up and customizing it, and provides information on resources available to you on both www.myTobiiDynaVox.com and through the **Help** menu on your T-Series device.

The **Compass User's Manual** is an introductory reference to the Compass software running on your T-Series device. It includes basic step-by-step instructions for selecting a pageset and access method, customizing the software for your user, modifying and editing pages, creating new pages, using the camera, programming the Remote Manager, and backing up and restoring.

On your device, open the **Settings** menu. Then select **Help > Compass User's Manual**.

2 Safety

The T-Series device has been tested and approved as compliant to all the Specifications and Standards listed in *Appendix B Compliance Information, page 21* of this manual and in the *Appendix C Technical Specifications, page 26* -- including, but not limited to, the Medical Device Standard (Class 1/Type B). The patient is an intended operator. In order to ensure safe operation of your T-Series device, there are a few safety warnings to bear in mind:

No modification of this equipment is allowed

The patient may clean the exterior of the device as specified in *6.3 Product Cleaning/Handling*. All other maintenance and repairs must be done by a certified technician.

Your device contains a Lithium Ion battery. A safety hazard may develop when the battery is placed in or near fires or stoves, or in locations with temperatures above 113 °F / 45 °C. These conditions may cause the battery to generate heat or explode.

Do not perforate, disassemble or modify the battery. If you must dispose of the battery, do so in accordance with the local laws that apply to the area where you live.

If you must dispose of the T-Series device, do so in accordance with the local laws that apply to the area where you live.

Restrictions specified on other equipment or network/data couplings, which a signal input/output part may be connected.

Do not open the enclosure, stretch the openings, or touch the camera and the inner circuit.

This T-Series device presents a risk of electrical shock if the casing is opened. Do not open the casing that surrounds the device.

Turn off the device and disconnect cables and accessories prior to cleaning.

Your T-Series device is not suitable for use in the presence of flammable anesthetics.

Your T-Series device conforms to IP22. (IP22 explanation: the first digit [2] indicates the level of protection that the enclosure provides against access to hazardous parts [e.g. electrical conductors, moving parts] ,and the ingress of foreign objects. Level 2 provides protection to an object >12.5 mm [fingers or similar objects]. The second digit [2] indicates the level of protection that the enclosure provides against harmful ingress of water. Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle up to 15 degrees from its normal position.

When you are charging your T-Series device, remember that the main outlet that you will be using to power the adapter must be accessible from within 6 feet (2 meters) of the device. There should be no switches or disconnect devices in the ground conductor. The T-Series devices require no routine maintenance other than a periodic inspection of the power cords for signs of wear and damage. If the power cords show signs of wear and damage, they should be replaced.

The T-Series device may be mounted to a wheelchair or fixed on a table. Running the T-Series device for a long time may cause the temperature to temporarily rise to above 105 °F / 41 °C. Please power off the T-Series device if it is overheating.

Tobii Dynavox will provide circuit diagrams, component part lists, descriptions, and calibration instructions to assist service personnel in parts repair.

The necessary support for installation and use of your device is provided in this *User's Manual* and in the *Knowledgebase* at *myDynaVox.com*. Anything unusual occurring during operation should be reported to Tobii Dynavox technical support.

Use care when installing and routing cables and accessories to avoid tangling and a possible tripping hazard.

For safe and proper operation of your T-Series device, and to avoid potential harm, do not connect your T-Series device to other devices such as a cellphone, storage equipment, or PCs that have not been indicated in this User's Manual.

When used in a non-clinical environment, care should be taken to avoid excessive dirt and dust that could cause unreliable operation. Do not place your T-Series device in bright sunlight for long periods to avoid potential overheating or fading of the screen. Place your T-Series device in a stable area and supervise children and pets while they are in the vicinity of the T-Series device.

Your T-Series device requires no routine maintenance other than charging the battery and a periodic inspection of the power cords for signs of wear and damage. If the power cords show signs of wear and damage, they should be replaced.

This product needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided, and this unit can be affected by portable and mobile RF communications equipment.

Do not use a mobile phone or other devices that emit electromagnetic fields near the unit. This may result in incorrect operation of the unit.

This unit has been thoroughly tested and inspected to assure proper performance and operation!

This machine should not be used adjacent to or stacked with other equipment and that, if adjacent or stacked use is necessary, this machine should be observed to verify normal operation in the configuration in which it will be used

The use of accessories, transducers and cables other than those specified, with the exception of transducers and cables sold by Tobii Dynavox as replacement parts for internal components, may result in increased emissions or decreased immunity of the me equipment or me system.

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 T-Series 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.

For safe and proper operation of your T-Series device, use only chargers, batteries, and accessories that have been approved by Tobii Dynavox.

Never, under any circumstances, disassemble your T-Series device. Doing so for any reason will void the warranty, and you will be responsible for the cost of any required repairs.

The LCD may show "image persistence" if the same image or page is displayed for four (4) consecutive hours or longer. The visual artifacts may or may not be noticeable or distracting. They will not cause permanent damage to the LCD.

3 Overview of the T-Series device

3.1 T7

Figure 3.1 T7 Front

Figure 3.2 T7 Top

Figure 3.3 T7 Back

Figure 3.4 T7 Side

Figure 3.5 T7 Bottom

1	**Charging Indicator:** Lit amber when the battery is charging. Turns blue when the battery is fully charged.
2	**Ambient Light Sensor:** Adjusts the screen brightness based on the surrounding light.
3	**Front-facing Camera: Not available on Medicare configurations.**
4	**Volume Rocker Switch:** Press on the + side of the switch to increase volume. Press on the - side of the switch to decrease volume.
5	**Speakers**: Dual speakers provide an extensive range of volume.
6	**Rear-facing Camera: Not available on Medicare configurations**.
7	**Infrared Window**: Sends infrared signals.
8	**Lanyard connections**: Provide attachment points for the strap.
9	**Charger Port:** Plug in the adapter/charger to charge the battery.
10	**Micro USB Port:** Connect to a micro-USB to full-size USB cable adaptor. (Tobii Dynavox does NOT recommend the use of a USB hub.)
11	**Speaker/Headphone/External Microphone Jack:** Connect an external speaker, headphones for private audio, or an external microphone.
12	**Power Button:** To turn theT7 on, press and hold until the splash screen appears. Press and release to put to sleep. To shut down the T7, press and hold until the shutdown menu appears.
13	**Built-in Microphone:** Record speech and custom sounds.

The LCD may show "image persistence" if the same image or page is displayed for four (4) consecutive hours or longer. The visual artifacts may or may not be noticeable or distracting. They will not cause permanent damage to the LCD.

3.2 T10

Figure 3.6 T10 Front

Figure 3.7 T10 Top

Figure 3.8 T10 Back

Figure 3.9 T10 Bottom

Front:	**1**	**Charging Indicator:** Lit amber when the battery is charging. Turns blue when the battery is fully charged.
	2	**Power Button:** To turn the T10 on, press and hold until the splash screen appears. Press and release to put to sleep. To shut down the T10, press and hold until the shutdown menu appears.
	3	**Front-facing Camera: Not available on Medicare configurations.**
	4	**Ambient Light Sensor:** Adjusts the screen brightness based on the surrounding light.
Top	**5**	**Speakers**: Dual speakers provide an extensive range of volume.
	6	**Volume Rocker Switch:** Press on the + side of the switch to increase volume. Press on the - side of the switch to decrease volume.
Right Side	**7**	**Speaker/Headphone/External Microphone Jack:** Connect an external speaker, headphones for private audio, or an external microphone.
Back	**8**	**Rear-facing Camera: Not available on Medicare configurations**.
	9	**Lanyard connections**: Provide attachment points for the T10 strap.
Bottom	**10**	**Charger Port:** Plug in the adapter/charger to charge the battery.
	11	**Micro USB Port:** Connect to a micro-USB to full-size USB cable adaptor. (Tobii Dynavox does NOT recommend the use of a USB hub.)
	12	**30-Pin Dock Connector**: (for future use)
	13	**Micro HDMI Port:** Connect an external monitor to your T10.
	14	**Built-in Microphone:** Record speech and custom sounds.

The LCD may show "image persistence" if the same image or page is displayed for four (4) consecutive hours or longer. The visual artifacts may or may not be noticeable or distracting. They will not cause permanent damage to the LCD.

3.3 T15

Figure 3.10 T15 Front

Figure 3.11 T15 Top

Figure 3.12 T15 Back

Figure 3.13 T15 Bottom

Front:	**1**	**Power Button**: To turn the T15 on, press and hold until the splash screen appears. Press and release to put to sleep. To shut down the T15, press and hold until the shutdown menu appears.
	2	**Front-facing Camera:** Not available on Medicare configurations.
	3	**Ambient Light Sensor:** Adjusts the screen brightness based on the surrounding light.
	4	**Charging Indicator:** Lit amber when the battery is charging. Turns blue when the battery is fully charged.
Top/Right Side	**5**	**Speakers**: Dual speakers provide an extensive range of volume.
	6	**Volume Rocker Switch:** Press on the + side of the switch to increase volume. Press on the - side of the switch to decrease volume.
	7	**Front-Facing Infrared Window:** Not available on Medicare configurations.
	8	**Micro SD Card**: Connect to a micro SD card, for personal storage only.
	9	**Full-Size USB Port:** Connect to a full-size USB drive. (Maximum current for the full-size USB is 2.0≤1A.)
	10	**Speaker/Headphone/External Microphone Jack**: Connect an external speaker, headphones for private audio, or an external microphone
	11	**Switch Jacks**(2): Connect external switch(es) for scanning access.
Back	**12**	**Rear-facing Camera**: Not available on Medicare configurations.
	13	**Rear-Facing Infrared Window**: Sends infrared signals.
	14	**Lanyard connections:** Provide attachment points for the T15 strap.
Bottom	**15**	**Lanyard connections:** Provide attachment points for the T15 strap.
	16	**30-Pin Dock Connector:** (for future use)
	17	**Charger Port**: Plug in the adapter/charger to charge the battery.

	18	**Micro USB Port**: Connect to a micro-USB to full-size USB cable adaptor. (Tobii Dynavox does NOT recommend the use of a USB hub.)
	19	**Micro HDMI Port:** Connect an external monitor to your T15.
	20	**Built-in Microphone**: Record speech and custom sounds.

The LCD may show "image persistence" if the same image or page is displayed for four (4) consecutive hours or longer. The visual artifacts may or may not be noticeable or distracting. They will not cause permanent damage to the LCD.

4 Turning the T-Series On for the First Time

Press the Power button to turn on your device. The Compass software will start automatically.

Figure 4.1 Compass Icon on Desktop

The **Setup Wizard** screen will open.

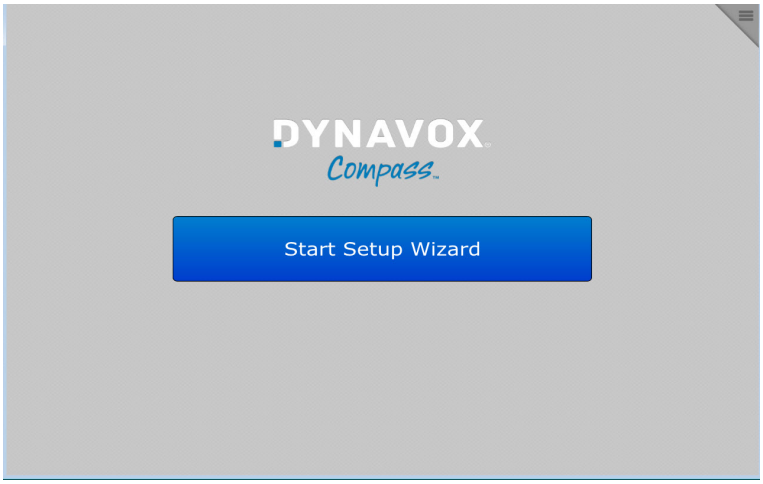


Figure 4.2 Setup Wizard Screen

The Setup Wizard will walk you through the steps to choose an appropriate page set and start communicating.

See the **Compass User's Manual** for step-by-step instructions on using the Compass software running on your T-Series device.

5 Charging the Battery

When the battery charge is low, the device will emit an audible beep. You should plug in your T-Series device and recharge the battery immediately.

1. Plug the charger supplied with your T-Series device into a wall outlet.
2. Connect the charger to the charger port on the T-Series device.
   The charging indicator will glow amber while your T-Series device is charging. It will turn blue when it is fully charged.
3. After your T-Series device is fully charged, disconnect the charger.

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

You **can** use the T-Series device while the battery is charging.

T-Series Device	Battery Model
T7	504899 3200mA/H 7.4V.
T10	5860103P/4000mAh/7.4V.
T15	HX-5570138/5850mAH/7.4V.

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 T-Series 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.

For safe and proper operation of your T-Series device, use only chargers, batteries, and accessories that have been approved by Tobii Dynavox.

6 Product Care

6.1 Temperature/Humidity/Atmospheric Pressure Ranges

For optimal device performance, the T-Series device should be kept within the following ranges:

Activity	Temperature Range
Using the device	32 °F - 95 °F / 0 °C - 35 °C
Charging the battery	32 °F - 113°F / 0 °C- 45 °C
Transport and storing	14°F - 113°F -10 °C - 45 °C
Relative humidity	Up to 90%
Atmospheric pressure	80 - 106 kPa

Run time will be shortened at the high and low ends of the temperature range.

6.2 Mounting/Transporting the T-Series

If you use your T-Series device while in a wheelchair, you should have it properly mounted for both communication and transportation purposes. Wheelchair mounting systems are available through Tobii Dynavox.

Protective and accessible carrying cases are also available. Consult the Tobii Dynavox website (www.tobiidynavox.com) or your Tobii Dynavox sales consultant or reseller for more information.

6.3 Product Cleaning/Handling

Turn off the device and disconnect cables and accessories prior to cleaning.

To clean your T-Series device, first turn it off and then wipe it gently with a damp cloth or soft paper towel. You may dampen the towel with a mild window cleaner to remove fingerprints, food particles, and dust. Do not use tape or stickers on either the touch screen or the case, as they are difficult to remove and may damage the device surface. Tape, stickers, and other sticky materials can damage the touch screen and interfere with the operation of the device.

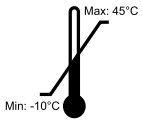
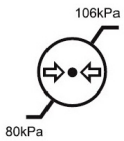
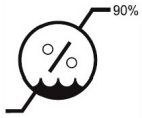
Be sure to avoid getting your device wet. Never submerge it in water (e.g., dishwasher). If your unit accidentally gets wet, be sure to shut it down and allow it dry thoroughly. If after 24 hours you find that the device seems to function normally, there is probably no damage. If it fails to function or behaves abnormally, go to **www.myTobiiDynavox.com > Community & Support > myTobiiDynavox Community** to start the repair process by creating a new case. You may need to ship it to Tobii Dynavox for repairs.

Be careful not to drop it. Such treatment is not recommended and can shorten the life of your T-Series device. Do not use a sharp object to make selections on the touch panel, as this can cause damage. Use your finger or a capacitive stylus.

Never, under any circumstances, disassemble your T-Series device. Doing so for any reason will void the warranty, and you will be responsible for the cost of any required repairs.

6.4 Cautions - Handling, Storage and Shipping

While handling, storing, or shipping, please pay attention to the labeling on the package.

Symbol or Markings	Description
	This Side Up
	Fragile
	Guard against Damp
	Warehouse Stack Limit (6 cartons)
	Storage Temperature: —10°C — 45°C / 14°F — 113°F
	Atmospheric pressure 80–106 kPa
	Relative humidity up to 90%

6.5 Disposing of the T-Series Device

Do not dispose of the T-Series 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 T-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 back of the device.

For further product information and other support resources, please visit theTobii Dynavox website www.tobiidynavox.com or www.myTobiiDynavox.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 T-Series device will void the warranty.

Keep the original packaging materials for the T-Series.

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

A3 Training Resources

Tobii Dynavox offers a range of training resources for the T-Series products and related communication products. You can find them on the Tobii Dynavox website, www.tobiidynavox.com or www.myTobiiDynavox.com, including Getting Started Guides, webinars and Quick guides. The T-Series device User's Manual is delivered with, and stored on, the T-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 Dynavox could void the user's authority to operate the equipment under FCC rules.

B1.1 For P15B 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.

B1.3 Radio Wave Exposure and Specific Absorption Rate (SAR) Information

The T-Series 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 exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg. The highest SAR level measured for this device is 0.421W/kg, so this device meets the FCC Requirement.

Guidance and manufacturer's declaration – electromagnetic emissions		
The T-Series is intended for use in the electromagnetic environment specified below. The customer or the user of the T-Series device should assure that it is used in such an environment.		
Emissions Test	Compliance	Electromagnetic environment – guidance
RF emission CISPR 22		The T-Series uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 22	Class B	The T-Series is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage Fluctuations/flicker emissions IEC 61000-3-3	Complies	

The T-Series device should not be used adjacent to or stacked with other equipment.

Guidance and manufacturer's declaration – electromagnetic immunity			
The T-Series device is intended for use in the electromagnetic environment specified below. The customer or the user of the T-Series device should assure that it is used in such an environment.			
IMMUNITY test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines	± 2 kV for power supply lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1 kV line(s) to line(s)	± 1 kV line(s) to line(s)	Mains power quality should be that of a typical commercial or hospital environment.

Guidance and manufacturer's declaration – electromagnetic immunity			
The T-Series device is intended for use in the electromagnetic environment specified below. The customer or the user of the T-Series device should assure that it is used in such an environment.			
IMMUNITY test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Voltage dips, short interruptions and voltage variations on power supply input lines. IEC 61000-4-11	< 5 % UT (>95 % dip in UT) for 0.5 cycles. 40 % UT (60 % dip in UT) for 5 cycles. 70 % UT (30 % dip in UT) for 25 cycles. < 5 % UT (>95 % dip in UT) for 5 s	< 5 % UT (>95 % dip in UT) for 0.5 cycles. 40 % UT (60 % dip in UT) for 5 cycles. 70 % UT (30 % dip in UT) for 25 cycles. < 5 % UT (>95 % dip in UT) for 5 s	Mains power quality should be that of a typical commercial or hospital environment. If the user of the T-Series device requires continued operation during mains interruptions, it is recommended that the T-Series device batteries are in place or that the device be powered from an uninterruptable power supply (UPS). UT is at 100 VAC 60 Hz or 230 VAC 50 Hz.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

Guidance and manufacturer's declaration – electromagnetic immunity			
The T-Series device is intended for use in the electromagnetic environment specified below. The customer of the user of the T-Series device should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
			Portable and mobile RF communications equipment should be used no closer to any part of the T-Series device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 V	$d = \frac{7}{6}\sqrt{P}$ for 150 kHz to 80 MHz
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	$d = \frac{7}{6}\sqrt{P}$ for 80 MHz to 800 MHz $d = \frac{7}{3}\sqrt{P}$ for 800 MHz to 2.5 GHz

Guidance and manufacturer's declaration – electromagnetic immunity			
The T-Series device is intended for use in the electromagnetic environment specified below. The customer of the user of the T-Series device should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
			where "P" is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and "d" is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,[i] should be less than the compliance level in each frequency range.[ii] Interference may occur in the vicinity of equipment marked with the following symbol. ((•))
NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies. **NOTE 2** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflected from structures, objects and people.			
i. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the T-Series device is used exceeds the applicable RF compliance level above, the T-Series device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the T-Series device. ii. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.			

Recommended separation distances between portable and mobile RF (Radio Frequency) communications equipment and the T-Series device.			
The T-Series device is intended for use in the electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the T-Series device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communication equipment (transmitters) and the T-Series device as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter W	**Separation distance according to frequency of transmitter**		
	150 kHz to 80 MHz	**80 MHz to 800 MHz**	**800 MHz to 2.5 GHz**
0.01	0.12 m	0.12 m	0.24 m
0.1	0.37 m	0.37 m	0.74 m
1	1.2 m	1.2 m	2.4 m
10	3.7 m	3.7 m	7.4 m
100	11.7 m	11.7 m	23.4 m

B2 Industry Canada Statement

B2.1 English

This device complies with Industry Canada licence-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."

B2.2 Français

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."

B3 CE Statement

This equipment complies with the requirements relating to electromagnetic compatibility, EN 300386 class B for ITE, the essential protection requirement of Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility and R&TTE Directive 1999/5/EG to meet the regulation of the radio equipment and telecommunications terminal equipment.

Appendix C Technical Specifications

Standard	DynaVox T7	DynaVoxT10	DynaVox T15
Type/Model	T7	T10	T15
Screen	7″ 17.8 cm	9.7" 24.7 cm	15.4" 39.12 cm
Screen Resolution	1920 × 1200	1024 × 768	1440 × 900
Touch Panel	Multi point Capacitive Touch		
Dimensions (WxHxD)	8 × 5.7 × 1.2 inches 20.3 × 14.5 × 3 cm	10.15 × 7.68 × 0.83 inches 25.8 × 19.5 × 2.1 cm	15.06 × 10.38 × 1.63 inches 38.25 × 26.37 × 4.14 cm
Weight	1 lbs 0.5 kg	1.87 lbs 0.85 kg	3.84 lbs 1.74 kg
Speakers	2 × 40mm × 30mm 8ohm 3W	2 × 36mm 8 ohm 2 W	2 × 40mm × 30mm 8ohm 3W
Microphone	1 × Analog Microphone		
Processor	Rockchip RK3288 Quad Core	NVidia Tegra3 quad core	
RAM	1GB RAM		
Operating system	Android 4.4.4	Android 4.0.4	
Flash Storage	32 GB eMMC		
SD-Card	N/A	N/A	MicroSD-Card 32 GB
Connectors	Micro USB Headphone/microphone jack	Micro USB Micro HDMI Headphone/microphone jack Expansion port for future accessories	Micro USB Full-size USB port Micro HDMI Micro SDXC memory slot Headphone/microphone jack Two switch ports Expansion port for future accessories
Buttons	1 × Power On 1 × Volume Up and Volume Down		
WLAN	IEEE 802.11 b/g/n		
Bluetooth®	BT4.0 With BLE Mode		
IR Remote Control (Environmental Control Unit)	Built in library, IR smart learning, support universal remote capabilities	N/A	Built in library, IR smart learning, support universal remote capabilities
Camera	Rear-facing: 8 Megapixels Front-facing: 1.3 Megapixels (720P or higher progressive video recording) Auto focus	Rear-facing: 5 Megapixels Front-facing: 1.3 Megapixels (720P or higher progressive video recording) Auto focus	
Battery Run Time	> 8 hrs. normal usage		
Battery Charge Time	<4 hrs		

Standard	DynaVox T7	DynaVoxT10	DynaVox T15
Type/Model	T7	T10	T15
Deskstand	Accessory		
Mounting Systems Supported	ConnectIT Mount Plate		
Power Supply	MTP451BX - 120300 Input: Universal 100 ~ 240 VAC / 50 ~ 60 Hz 1.5 A Output: +12 VDC / 3 A		
IP class	IP 22		

Appendix D Approved Accessories

Description	Model	Tobii Dynavox Part No.
T-Series AC Adapter (Power Supply)	MTP451BX - 120300	200699

For information about the latest approved Tobii Dynavox Accessories for the T-Series, please visit the www.tobiidynavox.com website or contact your local Tobii Dynavox sales consultant or reseller.

tobii dynavox

T-Series Devices User's manual v.1.1 - en-US

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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* or *www.myTobiiDynavox.com*.

Contact Your Reseller

For questions or problems with your product, contact Customer Support at your Tobii Dynavox 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 *www.tobiidynavox.com*