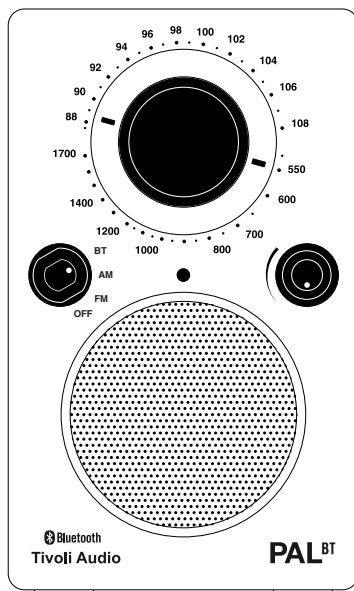


PAL™ BT

Portable Audio Laboratory™



OWNER'S MANUAL



Tivoli Audio™

FCC Statement

1. 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.

2. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

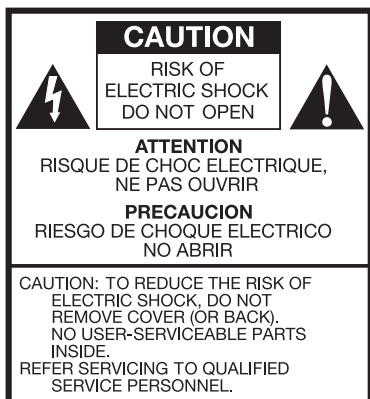
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate 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.

FCC RF Radiation Exposure Statement

1. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.

2. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water. For example, do not use near a bathtub, in a wet basement, near a swimming pool, and the like. **WARNING!** Do not expose this product to rain or moisture.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



14. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product to lightning and power-line surges.
15. **WARNING:** The mains plug is used as disconnect device, the disconnect device shall remain readily operable.
16. Operate this product only from the type of power source indicated on the back panel. For products using an external power supply, use an exact replacement if lost or damaged. For products operating from battery power, refer to the user manual.
17. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power supply cord or plug is damaged.
 - b. If liquid has been spilled or objects have fallen into the product.
 - c. If the product has been exposed to water or rain.
 - d. If the product does not operate normally by following the operating instructions.
 - e. If the product has been dropped or damaged in any way.
 - f. When the product exhibits a distinctive change in performance.
18. Keep this product a safe distance away from naked flame, such as a lit candle.
19. Do not expose this product to splashing or dripping. Objects containing liquid, such as vases or drinking glasses, should not be placed on top of this product.
20. The recommended operating temperature range is 41° F to 104° F (5° C to 40° C).
21. Canada complies with RSS247, ICES-003.
22. The power adapter serves as the disconnect device and should remain readily accessible.



This product can be recycled. Products bearing this symbol must NOT be thrown away with normal household waste. At the end of the product's life, take it to a collection point designated for recycling of electrical and electronic devices. Find out more about return and collection points through your local authority.

The European Waste Electrical and Electronic Equipment (WEEE) Directive was implemented to dramatically reduce the amount of waste going to landfills, thereby reducing the environmental impact on the planet and on human health. Please act responsibly by recycling used products. If this product is still useable, consider giving it away or selling it.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

WARNING: The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

PAL BT Instructions

Congratulations on your purchase of a truly unique entertainment product. We believe the rechargeable and weather resistant Portable Audio Laboratory (PAL BT) is one of the finest portable audio products on the market. It is sure to enhance your radio listening experience at home or on the go. With the addition of Bluetooth® wireless technology, you can stream your music wirelessly to the PAL BT.

In order to take full advantage of what your new radio is capable of, please take a moment to read this owner's manual and the safety instructions. If you have any questions, please do not hesitate to contact your dealer or Tivoli Audio directly.

Please save the carton and original packing should you ever need to ship your radio, as shipping damage is not covered by the factory warranty.

On behalf of all of us, thank you for choosing Tivoli Audio, and enjoy your new PAL BT!

Packed with your PAL BT you should find:

- One (1) AC power supply
- One (1) Lithium-ion battery pack (installed)

Please contact your dealer or Tivoli Audio if any of these items are missing.

Tivoli Audio

Boston, MA

USA

1.877.297.9479 (US Only)

1.617.345.0066

www.tivoliaudio.com

info@tivoliaudio.com

Innovation, Science and Economic Development (ISED) Canada Statement.

English

This device complies with Industry Canada's licence-exempt RSSs. 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.

French:

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."

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized. This device has also been evaluated and shown compliant with the IC RF Exposure limits under mobile exposure conditions. (antennas are greater than 20cm from a person's body).

Before You Begin

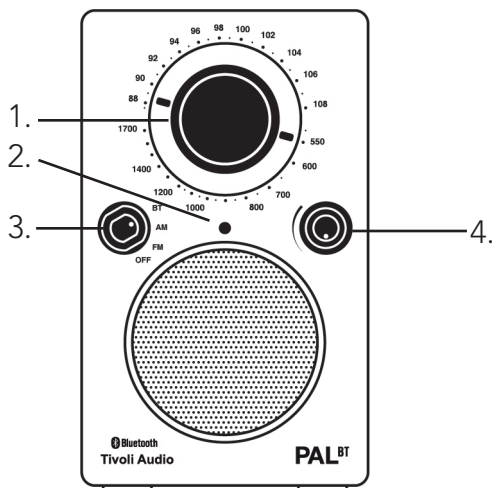
For your safety, the PAL BT is shipped from the factory with discharged batteries. However, it is normal if the PAL BT plays straight out of the box. With the unit off, connect the power supply to the PAL BT and plug it into a wall outlet to charge the batteries.

Like many rechargeable devices, there may be a delay before the LED starts to blink when the PAL BT is brand new and first plugged in, or when left unused for several weeks. This is a feature of the Power Management System designed to protect the batteries from damage.

Bear in mind it may take up to 4 charge/discharge cycles before the batteries are operating at full capacity when the PAL BT is new or has been unused for several weeks.

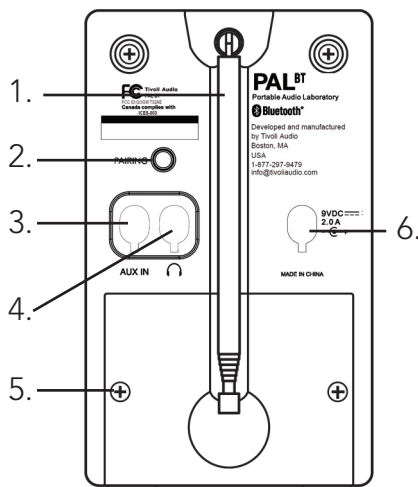
Leaving the PAL BT plugged in even when not in use ensures the batteries will be charged when you need it. If the PAL BT is not plugged in, the batteries will gradually self-discharge as a safety measure. There is also no harm in playing the PAL BT continuously while plugged in.

Guide to Features (Front)



1. **TUNING DIAL:** Turn the analog dial to the right or to the left to change the FM and AM frequency range. The 5:1 tuning gear ratio provides easy, accurate tuning.
2. **POWER INDICATOR:** Indicates when the unit is on as well as the charging mode and battery status. See the section marked "About the battery pack".
3. **SOURCE KNOB:** Turn the knob 1 click up to select the FM band or 2 clicks up to select the AM band. To activate Bluetooth, switch to BT and follow the steps outlined in the "Bluetooth Operation" section.
4. **VOLUME:** Turn the volume knob up to increase the volume or down to decrease the volume of the PAL BT's speaker. Since the PAL BT is portable, please be considerate of others around you when increasing the volume level. This knob will also control the level of headphones (not included) when connected.

Guide to Features (Rear)



1. **FM ANTENNA:** When listening to FM, adjust this telescoping antenna and position it for best reception. In strong FM signal locations, reducing the antenna's length may provide better reception. When the unit is not in use or when listening to AM, keep the antenna retracted to protect it. This antenna has no effect on AM reception. For AM, rotate the PAL BT itself to align the internal antenna for improved reception.
2. **PAIRING:** When connecting a new device to the PAL BT, press and hold this button to enter pairing mode.
3. **AUXILIARY INPUT:** To hear audio from another device (such as a portable CD or MP3 player) through the PAL BT's main speaker, connect the device's audio output to this input and set the source switch to AM. This jack accepts a 1/8" stereo male mini plug. Note that you may need to adjust the volume level differently for an auxiliary device than the level normally used for radio listening. Keep the rubber plug inserted when this input is not in use.
4. **HEADPHONE OUTPUT:** Connect a headset to this stereo output for private listening. The headphone volume will be controlled by the PAL BT's volume knob. Connecting a pair of headphones will mute the PAL BT's main speaker. This jack accepts a 1/8" stereo male mini plug. You may also record from the PAL BT or use it as a high quality stereo tuner by using this output. Keep the rubber plug inserted when this output is not in use.
5. **BATTERY COMPARTMENT:** Stores the Lithium-ion battery battery pack. Do not load any other type of batteries in the compartment. See "Replacing the battery pack."
6. **DC INPUT:** Use this input to operate the PAL BT using its included PAL BT Tivoli Audio 9V 2A power supply. **Use only the power supply provided with this product.** Should the power supply get damaged or misplaced, contact Tivoli Audio for a replacement. Keep the rubber plug inserted when this input is not in use.

Note: We suggest keeping the rubber covers in place over the rear jacks to protect them when not in use.

Bluetooth Operation

Prior to pairing, verify your device is not connected to any other Bluetooth product. Devices may pair differently. Below is a general guide.

1. Turn the PAL BT to the "BT" position, then press the Pairing button. Turn the volume up about $\frac{1}{4}$ to start. Also turn up the volume on the source device (the device you are streaming from).
2. Turn on the Bluetooth wireless technology on your enabled device.
3. Select "Tivoli Bluetooth (Not Paired)" when it appears on your device's screen to initiate searching. Some devices may prompt you for a PIN. If so, enter "0000". "Tivoli Bluetooth" will change from "Not Paired" to "Connected".
4. When your device confirms pairing, you can begin playing your music files wirelessly. Adjust the volume level on your device. You should not have to pair your device again. **Depending on your device, you may need to make multiple attempts at Pairing and/or Connecting to the PAL BT, but please give your device adequate time to Pair or Connect before repeating the process.**

Pairing a Bluetooth Wireless Technology Enabled iPhone/iPod Touch/iPad

1. Turn the PAL BT to the "BT" position, then press the Pairing button . Turn the volume up about $\frac{1}{4}$ to start. Also turn up the volume on the source device (the device you are streaming from).
2. Select "Settings".
3. Select "General".
4. Select "Bluetooth".
5. Select "Tivoli Bluetooth (Not Paired)" when it appears on the display. If you are prompted to enter a PIN, enter "0000". "Tivoli Bluetooth" will change from "Not Paired" to "Connected".
6. When your iPhone/iPod Touch/iPad confirms pairing, you can begin playing your music files wirelessly. Adjust the volume level on your device. You should not have to pair your iPhone/iPod/iPad again.

The volume output level of music files varies. If you prefer an even higher output level, check the settings in your iPhone/iPod touch/iPad: Set the EQ Off, the SoundCheck Off, and the Volume limit Off.

If you encounter a problem Pairing, press the small arrow to the right of "Tivoli Bluetooth" on your iPhone/iPod touch/iPad display and select "Forget this Device", then repeat the Pairing process. **Depending on your device, you may need to make multiple attempts at Pairing and/or Connecting to the PAL BT, but please give your device adequate time to Pair or Connect before repeating the process.**

When streaming music, you can press the blue arrow to the right of the next track button >>/ on the iPhone/iPod touch/iPad display to alternate between the iPhone/iPod/iPad and Bluetooth.

- If the audio drops out or stops during playback, move your device closer to the PAL BT, or check to be sure another wireless device is not interfering with the signal.
- When switching from Bluetooth to AM or FM, you may need to re-adjust the PAL BT's volume level.

About The Battery Pack

The PAL BT uses a sealed pack of Lithium Ion cells. The front panel green LED serves both as a power indicator and battery power and charge status indicator. Use only an authorized Tivoli Audio PAL Series Lithium-Ion battery. The estimated battery life on a full charge is 12 hours.

Low Battery

With the PAL BT turned On but not plugged in, as the batteries become discharged, the green power indicator LED to blink with a short off/long on cycle, indicating the batteries are in need of being recharged. The remaining playback time from the moment the blinking begins until the PAL BT shuts off is estimated between 20 minutes and several hours. It is difficult to be more precise due to many factors including how long and how loud the radio is played, and the remaining charge left in the batteries. For instance, the PAL BT will likely play longer off of the batteries at a low volume than at higher volume levels. As you use your PAL BT, you will develop a better idea of how much playback time you have before recharging is necessary. You may also notice reduced battery playback time with PAL BT when using Bluetooth Wire-less Technology. Using the Bluetooth wireless technology when on battery-only power will reduce the average playback time experienced with just radio listening.

If the PAL BT is turned on to FM or AM and the power indicator is off, then the batteries require recharging. However, it is normal for the radio to play for a brief period if turned on after the LED has gone out.

If the PAL BT is to be used away from an AC or other power source for an extended period of time, it is wise to "top-off" the charge before use, especially if the LED is blinking.

Leaving the PAL BT plugged in, even when not in use, ensures the batteries will be charged when you need them. If the PAL BT is not plugged in, the batteries will self-discharge as a safety measure. There is no harm in continuously operating the PAL BT with the power supply.

Note: It may take up to 4 charge/discharge cycles before the batteries are operating at full capacity when new or left unused for several weeks.

Replacing the Battery Pack

When it comes time to replace the battery pack, lift the FM antenna up, remove the two screws that hold the battery cover in place with a small Philips-head screwdriver. Lift the battery cover off, disconnect the lead from the battery pack and replace the batteries, making sure to correctly connect the leads. Replace the battery cover by inserting the bottom lip first, then screwing the cover back on. Replacement battery packs may be purchased from your authorized dealer/distributor or Tivoli Audio.

⚠ CAUTION: To reduce the risk of fire or personal injury, use an exact replacement battery pack, available through Tivoli Audio or its authorized dealers, and dispose of the spent battery pack according to your state/country's regulations.

Handling the PAL BT

- The PAL BT is weather resistant, but it is not weather proof. It should not be immersed in water or held under running water. It also should not be exposed to extreme temperatures.
- The PAL BT is designed to be portable, but it is not indestructible. Do not drop it or subject it to strong impacts.
- Always grip the PAL BT using the side indentations.
- The PAL BT's non-slip, weather resistant paint is durable, but it is not impervious to scratches.
- The PAL BT's speaker is magnetically shielded, permitting use near a computer monitor or a television set.
- It is normal for the power supply to become warm during use.

Cleaning

To clean the PAL BT, use only a soft cloth and do not rub hard. Use a very mild cleaner only when necessary. If something is spilled on the cabinet, wash it off as soon as possible to prevent possible damage. Normal every day wear and tear, or damage resulting from cleaning or chemicals, is not covered under the factory warranty.

Headphones

Avoid using headphones (not included) at high volume levels to prevent possible hearing damage. Do not wear headphones while operating a motor vehicle.

Limited Warranty Outside North America

Tivoli Audio manufactures its products to very high standards and we are confident our products will perform well. Accordingly, we provide a limited warranty on this product against manufacturing defects in material and workmanship to the original owner. This warranty is non-transferable.

Products purchased in the European Union have a minimum warranty term of two years, unless superseded by country statute. For countries where minimum warranty terms are determined by statute, the warranty term is the statutory period required. In all other locations, the warranty term is one year.

This Limited Warranty covers the functionality of the product for its normal, intended use as specified in this Owner's Manual. It does not cover a malfunction or damage that has resulted from improper or unreasonable use or installation, using the charger to charge alkaline batteries, faulty ancillary equipment, modifications, unauthorized repair, shipping damage or loss, abuse, accidents, use on improper voltage/current, power surges, lightning or other acts of God, excess moisture, normal wear and tear, commercial use, or purchase from unauthorized dealers. Proof of purchase as evidence the unit was purchased from an authorized dealer may be required for warranty service. **Please contact the dealer of purchase or local distributor for warranty service or repair.**

Please refrain from opening this product or taking it apart as doing so will void this Limited Warranty. There are no user serviceable parts inside. Tivoli Audio will not pay for costs incurred due to correction of reception problems, elimination of externally generated static/noise, loss of time, inconvenience, loss of use of product, or damage caused by improper use of this product.

In the event the product is returned during the warranty term and is eligible for service under this Limited Warranty, we will repair or replace any defective parts within a reasonable period of time and free of charge.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS SUBJECT TO SPECIFIED CONDITIONS. YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH APPLY TO THE PRODUCT YOU HAVE ACQUIRED. THESE LEGAL RIGHTS VARY FROM COUNTRY TO COUNTRY. SOME PLACES DO NOT ALLOW THE EXCLUSION, RESTRICTION, OR MODIFICATION OF CERTAIN IMPLIED RIGHTS OR THEIR EFFECT. IN THOSE SITUATIONS THIS LIMITED WARRANTY WILL ONLY APPLY TO THE EXTENT THAT THE APPLICABLE LAW ALLOWS.

The laws of your country may provide you with legal claims against the seller or manufacturer of this product. This Limited Warranty does not affect those rights.

The provisions of the Limited Warranty are in lieu of any other warranties or conditions, except those provided by law. This Limited Warranty does not affect any legal rights provided to you by law and does not preclude any remedy you may have under law.

In countries where liability limits are not precluded by statute, the maximum liability of Tivoli Audio shall not exceed the purchase price paid by you for the product. In countries where limitations of liability are precluded by law, Tivoli Audio shall be liable for no more than the direct damages for bodily injury, and/or real or personal property arising from the negligence of Tivoli Audio.

Where not prohibited by law, Tivoli Audio shall not be liable for special, incidental, consequential, or indirect damages. Some places do not allow limitations on the exclusion or limitation of relief, special, incidental, consequential or indirect damages, or the limitation of liability to specified amounts, so the above limitations or exclusions may not apply to you. This Limited Warranty is void if the label bearing the serial number has been removed or defaced.

If you purchased an extended service contract from your dealer and service is required after the term of this Limited Warranty has expired, please contact your extended service contract provider to obtain service.

For your convenience, you may register your product for warranty service online at our website, www.tivoliaudio.com. There is no legal obligation for you to provide personal information. However, such information allows us to maintain a record of the Tivoli Audio products acquired by you and better understand the purchasers of our products. The information collected will be used for marketing purposes by Tivoli Audio and, where permitted, to contact you in relation to the products you have acquired or other products which might be of interest to you from Tivoli Audio or other companies. The information that you provide may be processed in another country.

For service, please contact your dealer or local distributor.

North American Limited Warranty

Tivoli Audio manufactures its products to very high standards and we are confident our products will perform well. Accordingly, we provide a limited warranty on this product against manufacturing defects in material and workmanship to the original owner, for a period of one year from the original date of purchase. This warranty is non-transferable.

This Limited Warranty covers the functionality of the product for its normal, intended use as specified in this Owner's Manual. It does not cover a malfunction or damage that has resulted from improper or unreasonable use or installation, faulty ancillary equipment, modifications, unauthorized repair, shipping damage or loss, abuse, accidents, use on improper voltage/current, power surges, lightning or other acts of God, excess moisture, normal wear and tear, commercial use, or purchase from unauthorized dealers. Proof of purchase as evidence the unit was purchased from an authorized dealer may be required for warranty service. **Please contact the dealer of purchase or local distributor for warranty service or repair.**

Returns of any model purchased directly from Tivoli Audio via our website, telephone, mail, or fax: must have a Return Authorization (RA) number clearly indicated on the outside of the package. An RA number can be obtained by phoning Tivoli Audio customer service (1.877.297.9479) with the product's model name, serial number, approximate date of purchase, and detailed description of the problem, or by filling out the RA form on our web site (www.tivoliaudio.com). **PRODUCTS RETURNED TO TIVOLI AUDIO WITHOUT A VALID RA # WILL BE RETURNED UNOPENED TO THE SENDER.**

Please refrain from opening this product or taking it apart as doing so will void this Limited Warranty. There are no user serviceable parts inside. Tivoli Audio will not pay for costs incurred due to correction of reception problems, elimination of externally generated static/noise, loss of time, inconvenience, loss of use of product, or damage caused by improper use of this product.

Specifications

Model:	Portable Audio Laboratory™ (PAL BT)
Type:	Portable, weather resistant AM/FM radio with <i>Bluetooth</i> Wireless Technology
Driver:	1 x 2.5" treated, magnetically shielded, full range driver
Power:	9VDC nominal, 2A
Battery Pack:	Li-ion, 7.2V, 2850mAh
Battery Current:	2A
AC Adapter:	Model DYS618-090200W-K Input: 100-240V - 50/60Hz, 0.5A Max Output: 9.0v, 2.0A
Dimensions:	15.88cm H x 9.37cm W x 11.7cm D (3.69" W x 6.25" H x 4.61" D)
Weight:	0.76 kg (1.68 lbs)

All specifications subject to change without notice.

Tivoli Audio reserves the right to make product changes without notice.

Tivoli Audio, the Tivoli Audio logo, PAL, and Portable Audio Laboratory are trademarks of Tivoli Audio, LLC.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Tivoli Audio is under license. Other trademarks and trade names are those of their respective owners.

iPhone, iPod touch and iPad are trademarks of Apple Inc, registered in the U.S. and other countries.

EU Compliance Information

Eligible to bear the CE mark; Conforms to European Union Low Voltage Directive 2014/35/EU; European Union EMC Directive 2014/30/EU; European Union Restriction of Hazardous Substances Recast (RoHS) Directive 2011/65/EU; European Union WEEE Directive 2012/19/EU; European Union Eco-Design Directive 2009/125/EC; European Union Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Directive 2006/121/EC; European Union Radio Equipment Directive (RED), 2014/53/EU.

Hereby, Tivoli Audio declares that PAL BT is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU

Type of Wireless: Bluetooth

Operating Frequency: 2402-2480MHz

Maximum RF Power: 6 dBm (E.I.R.P.)

EU Importer:

Tivoli Audio, Cooperatief

Mariaplaats 3 3511 LH Utrecht The Netherlands

+31 (0)30-2320700

