



# LU48BTS

---

## QUICK START GUIDE



Portable **TWS** Bluetooth Speakers

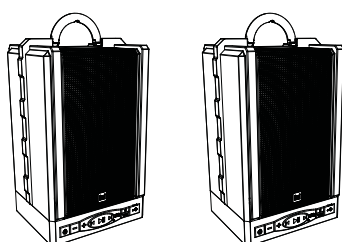




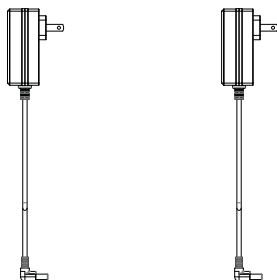
## LU48BTS - Introduction

### What's in the box

LU48BTS - 1 PAIR



AC/DC ADAPTORS



USER MANUAL



2

QUICK START GUIDE

## LU48BTS - Getting Started



### Congratulations

On your **LU48BTS** portable wireless speakers purchase. Please take your time to explore all of the features and utilities we have built into this product.

We put all of our products through rigorous testing and quality control. We take great pride in presenting this product to you. For your peace of mind, we offer a one-year limited warranty against manufacturing defects and workmanship. Please refer to the warranty section of this user manual for more details.

### SUPPORT

For the latest information on all of our products, please visit:

[www.dualav.com](http://www.dualav.com)

- Call us toll-free at 1-866-382-5476
- E-mail us at [cs@dualav.com](mailto:cs@dualav.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of DUAL ELECTRONICS CORP.

All trademarks and trade names are property of their respective owners.  
Copyright © 2019 DUAL ELECTRONICS CORP.

QUICK START GUIDE

3

## Dual LU48BTS - Safety Information

### IMPORTANT SAFETY INFORMATION TO THE USER



*The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-isolated, dangerous voltage within the inside of the device that may be of sufficient magnitude to constitute a risk of electric shock to persons*



**WARNING:** To reduce the risk of electric shock, do not remove cover or back plate as there are no user-serviceable parts inside. Refer servicing to qualified personnel



*The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the device*



*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks is under license.*

4

QUICK START GUIDE

## LU48BTS - Information



### IMPORTANT SAFETY PRECAUTIONS

- The **LU48BTS** has a weather resistant design, it should not be submerged in or underwater under any circumstances
- Set your volume control at a low setting, then slowly increase the sound until you can hear it comfortably without distortion, or ear discomfort.

**WARNING - Never leave this product in direct sunlight, overheating can cause permanent battery damage**

- Wash with a mild soap or detergent and lukewarm water using a clean sponge or a soft cloth. Rinse well with clean water.

#### **“Don’ts” - Very Important**

- DON'T clean in hot sun or on very hot days.
- DON'T use abrasive or highly alkaline cleaners on the main body
- DON'T ever use acetone or carbon tetrachloride

This product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserving natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment

QUICK START GUIDE

5

## Dual LU48BTS - FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

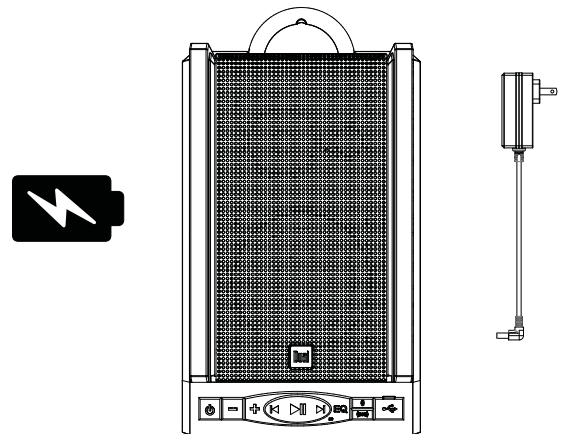
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

FCC ID: 2AQL2-LU48BTS

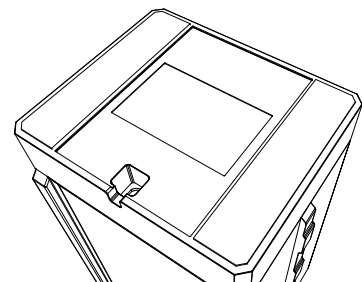
## LU48BTS - Getting Started Dual

### FIRST TIME USE

- The **LU48BTS Li-ion battery** should be charged for minimum of 24 hours for the first time use



- Charging port is located on the bottom of the unit



**CAUTION!!**  
ADJUSTMENT OR ALTERATIONS OF THIS DEVICE MAY RESULT  
IN HAZARDOUS RADIATION EXPOSURE.

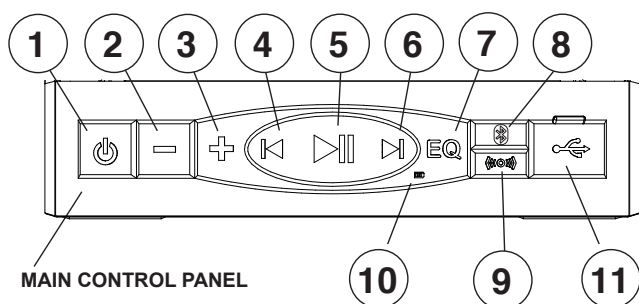
6

QUICK START GUIDE

7

QUICK START GUIDE

## Dual LU48BTS - Getting Started

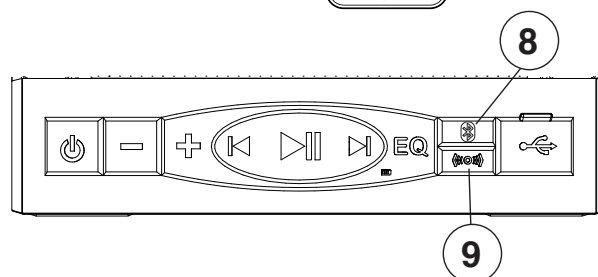
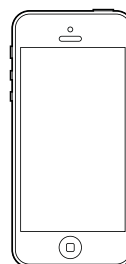


- 1 POWER ON/OFF - PRESS 3 SECONDS
- 2 VOL -
- 3 VOL +
- 4 PREVIOUS TRACK
- 5 PLAY/PAUSE
- 6 NEXT TRACK
- 7 EQ - ROCK - POP - VOCAL - FLAT
- 8 BLUETOOTH PAIR / STATUS
- 9 TRUE WIRELESS PAIR / STATUS
- 10 BATTERY LEVEL STATUS
- 11 USB BATTERY BANK PORT (1A CHARGING ONLY)

8

QUICK START GUIDE

## LU48BTS - Wireless Operation



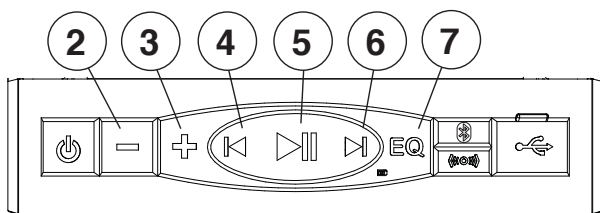
- 8 BLUETOOTH PAIRING
  - LONG PRESS 3 SECONDS
  - Turn on your Devices *Bluetooth* in your *SETTINGS MENU*
  - Look and tap on *LU48BTS* name
  - Once paired, on a confirmation tone will heard
  - Streaming is now ready

- 9 AUTOMATIC TRUE WIRELESS PAIRING
    - Turn *ON* each speaker within 15 seconds
    - A *TWS* confirmation tone will be heard
- Manually connect TWS  
- LONG PRESS 3 SECONDS each speaker *TWS* button

9

QUICK START GUIDE

## Dual LU48BTS - Streaming Music



- 2 VOL -
- 3 VOL +
- 4 PREVIOUS TRACK
- 5 PLAY/PAUSE
- 6 NEXT TRACK
- 7 EQ - ROCK - POP - VOCAL - FLAT

## LU48BTS - Speaker Placement



**Speaker Placement** | Your **LU48BTS** speakers are fully portable, but can also be placed in many convenient locations in your home or patio area.

**Wall Mounting** | If hanging your speakers is desired, hang both speakers on a wall hook (not included) facing the listening area, this will provide the best audio results.

Do **NOT** mount speakers on wall surfaces that can get wet, or that have hazards concealed behind them, such as electrical wires or plumbing. Always mount speaker on surfaces that are sturdy enough to support the speakers' weight, and make sure they cannot fall or cause injury.

**Experiment for Better Sound** | You should experiment with various placements. Room acoustics can produce large apparent differences in the sound when small changes in the placement are employed.

For example, although the speaker may be located at any height above the floor, directing the tweeter toward ear level or angling the entire speaker toward the listening position often provides the most realistic imaging experience. The amount of bass perceived increases as you move a speaker closer to solid intersecting room surfaces (walls, ceiling, floor).

## Dual LU48BTS - Specs

### TROUBLE SHOOTING

TROUBLE	CAUSE	SOLUTION
Unit will not turn on	The battery is not charged	Charge for 24 hours for best results
	Plug charging adaptor into wall	Turn to on position
No sound is heard	Speaker volume level is too low or muted	Turn the LU48BTS volume level up
	Device is paused or muted	Check your Devices playing / volume status
The audio quality is poor	Device volume level is too low or muted	Raise the Device to a higher level
The audio quality is poor after connection with a Bluetooth enabled device	The Bluetooth reception is poor	Move the device closer to the audio system or remove any obstacle between the device

### SPECIFICATIONS

#### BLUETOOTH

- BT: V4.1
- BT Range: 33Ft / 10M (Class 2)
- BT Profiles: A2DP / AVRCP / GATT / HFP

#### GENERAL

- AC Adaptor Power Source: 120VAC / 15VDC-2A
- Li-ion Battery: 12.1VDC / 2600mA (18650 type)
- Amplifier Type: Class D
- Frequency Response: 45Hz-22kHz
- Storage Temperature: 5°F to 113°F / -15°C to 45°C
- Operation Temperature: 14°F to 104°F / -10°C to 40°C
- Weight: 4.5lbs / 2.10Kg
- Dimensions Inches WxHxD: 10.98 x 7.00 x 7.55
- Color: Black/Grey

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

### QUICK START GUIDE

## LU48BTS - Warranty

#### Important

The **LU48BTS** speakers are designed as multi-purpose portable speakers and will deliver accurate high fidelity sound in exterior or interior environments. The weather-resistant design and construction provide optimum durability for permanent or temporary outdoor use. They are not meant for in-water or underwater use.

The grilles are not designed or intended to be removed. Do not attempt to remove the grilles from your speakers. There are no user-serviceable parts behind the grille, removal will damage the speaker and will void the warranty.

#### Warranty Coverage

You must have proof of purchase to receive warranty service. Please keep your original sales receipt and be prepared to provide this receipt in the event you require service, as your original receipt is considered the best proof of purchase and indicates the date you purchased your Dual product.

#### For Your Records

Model \_\_\_\_\_

Dealer Name \_\_\_\_\_

Dealer Phone \_\_\_\_\_

Purchase Date \_\_\_\_\_

Note: You may want to keep your original sales receipt or a photo copy with this owner's manual.

### SUPPORT

- Call us toll-free at 1-866-382-5476
- E-mail us at [cs@dualav.com](mailto:cs@dualav.com)

### QUICK START GUIDE

# Limited One-Year Warranty

---

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

Who is covered? This warranty is extended to the original retail purchaser for products purchased from an authorized Dual dealer and used in the U.S.A.

What is covered? This warranty covers all defects in material and workmanship in this product. The following are not covered: software, installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product.

Specific license conditions and copyright notices for the software can be found via [www.dualav.com](http://www.dualav.com).

What to do?

1. Before you call for service, check the troubleshooting guide in your owner's manual. A slight adjustment of any custom controls may save you a service call.
2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.
3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.
4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

- Call us toll-free at 1-866-382-5476
- E-mail us at [cs@dualav.com](mailto:cs@dualav.com)

Exclusion of Certain Damages: This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.



**Dual Electronics Corp.**  
**Toll Free: 1-866-382-5476**  
**Monday-Friday, 9AM-5PM EST**

[www.dualav.com](http://www.dualav.com)  
©2019 Dual Electronics Corp. All rights reserved.  
NSA101-V01  
Printed in China