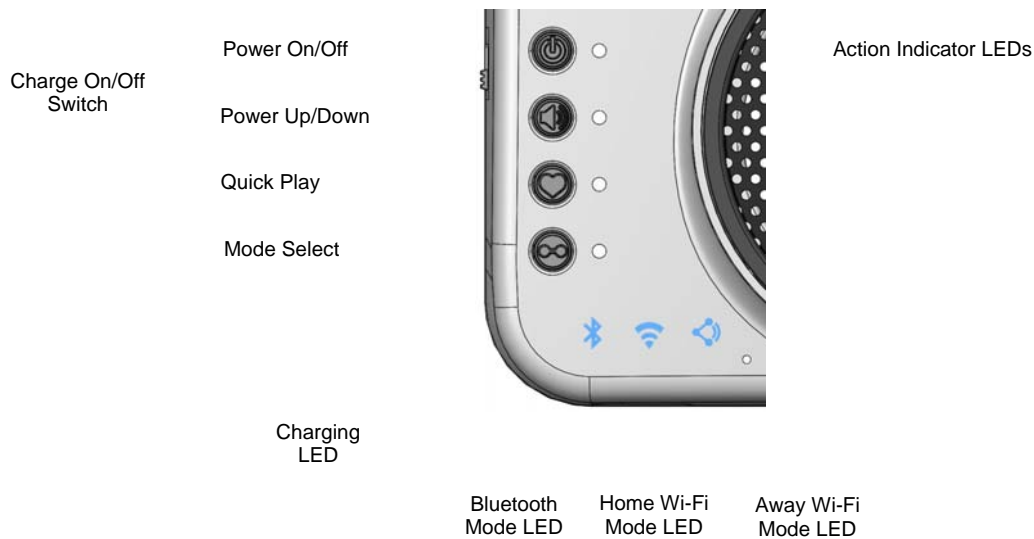




## Duo User Guide

The Duo is the first-of-its-kind iPhone charging and speaker case featuring a high-definition Wi-Fi and Bluetooth enabled speaker system and 3000mAh battery, providing a completely new way to experience your favorite music. The following User Guide explains the basic operation and care of the unit. Please read it carefully and keep for future reference.

### Key Operating Buttons



### **Powering the Duo On/Off**

#### *Turning On*

Press the Power button with one short press to power on the device. The four Action Indicator LEDs will cycle as the unit is powering on. The Action Indicator LED will turn solid green once the Duo is ready to be used. It's that simple!

#### *Turning Off*

Hold the Power button for 3 sec. and the Duo will turn off. All the four power indicator LEDs one short press to power on the device. The four power

### **Charging Your Duo**

Connect the Duo to a power source using the provided micro USB cable. The USB cable can be plugged into any wall plug power source with 1A to 2A USB out including the standard iPhone USB wall adaptor. The Charging LED will be lit red while the Duo is charging. When the Duo is fully charged, the Charging LED will be lit green.

### **Checking the Duo Battery Life**

To check the battery status of the Duo, press the Power button with a short press while the Duo is on. When pressed, the Action Indicator LED lights will light up according to the charge percentage remaining on the Duo battery. For example, if three of four LEDs light up, this means that the Duo is 75% charged.

### **Connecting Your iPhone to the Duo**

You must have your iPhone docked into the Duo with the Lightning connector locked in place in order to charge your iPhone and to play music via the Docking Mode.

To insert your iPhone into the Duo, slide down the EZ-Lock connector and insert the top of the iPhone first, under the lip at the top of the Duo. Once the iPhone is laying flat, push the EZ-Lock connector into place, ensuring the Lightning connector is securely inserted into the bottom of the iPhone.

### **Charging your iPhone with the Duo**

To charge your iPhone with your Duo, you must have your phone inserted into the Duo. Once your iPhone is properly inserted, turn on the charging function by moving the Charging Switch from "Off" position to "On" position. To turn off charging, turn off the charging function by moving the Charging Switch from "On" position to "Off" position.

### **Charging Your iPhone and Duo Simultaneously**

Insert your iPhone into the Duo with the Lightning connector docked. Turn the Charging Switch to the "on" position. Connect the Micro USB cable provided to a power source and the Duo. In this scenario, the power from your wall plug will be split between your iPhone and Duo depending on how many Amps of power you are supplying.

### **Initial Network Audio Setup**

Before using your Duo to play music, you should first attach it to a Home Network to complete your one-time configuration of your Home Wi-Fi settings. To do this, follow the steps below:

1. Ensure your phone is detached from the Duo.
2. Go to your iPhone and make sure your iPhone Wi-Fi is turned on and you are connected to your Home Network.
3. Turn on the Duo.
4. Press the Mode Select button until the Home Wi-Fi Mode LED is lit. It should be red.
5. While in Home Wi-Fi Mode, press and hold the Mode Select button for 3 sec. This will initiate the WAC process that will allow you to use your iPhone to attach your Duo to your Home Network. The Home Wi-Fi Mode LED should begin blinking blue.
6. Go to the Wi-Fi Settings screen on your iPhone and scroll down to the bottom of the screen. You should see your Duo speaker appear under the section "Add New Device" or "Add New AirPlay Speaker".
7. Click on your Duo speaker name. You should see a new screen asking you to connect the Duo to a known network. Choose your Home Network and select "done".
8. You can complete this Setup on multiple "Home" Networks (i.e. your office, your best friend's house, etc.) as the Duo can store up to 5 known Home Networks in its memory.

### **Playing Music in Docking Mode**

The most common way to play music through your Duo speakers is in Docking Mode. This is when your iPhone is inserted into the Duo and docked into the Duo's Lightning connector.

Once your iPhone is docked into the Duo, just turn the Duo power on using the Power button. When your iPhone is properly docked, and the Duo is on, you should see all three Mode LEDs lit red at the same time. When the iPhone is docked into the Duo, you cannot select the other Modes of play as those modes are all for "detached modes" of play.

When Docking Mode is active, all non-voice audio from your iPhone will be routed to your Duo speakers. This includes audio such as music playback, audio from movies and apps, and audio notifications.

### **Playing Music in Detached Modes**

Bluetooth, Home Wi-Fi, and Away Mode are all "detached" modes of music play. This means that you must ensure that the iPhone is NOT docked into the Duo in order to use these modes. Once your iPhone is undocked from the Lightning connector, you will be allowed to switch between these three modes on your Duo. You can set your Duo on a flat surface with speakers facing up. The Duo comes with rubber feet that will ensure it stays in place on most surfaces when you play music.

### **Playing Music in Bluetooth Mode**

1. Ensure your iPhone is detached from the Duo.
2. Press the Mode Select button to select Bluetooth Mode. You will know you are in Bluetooth Mode when the Bluetooth Mode LED is lit. If this is the first time you are selecting Bluetooth Mode, the LED will be lit red. This means that the Duo is not paired with a device.
3. Whenever you are in Bluetooth Mode, the Duo will broadcast its Bluetooth signal for devices to connect to it. Go to your iPhone's Bluetooth Settings - you should see your Duo Speaker appear at the bottom of this screen as an available device. Select the Duo speaker on your iPhone and your phone will connect to your Duo. You are ready to play music to your Duo via Air Play!
4. Once you have connected to your Duo once, your iPhone should automatically recognize and connect to the Duo as long your iPhone's Bluetooth is turned on.
5. When your Duo is in Bluetooth mode, it will be discoverable by your nearby friends. They can connect to your Duo and play their music!

### **Playing Music in Home Wi-Fi Mode**

1. Ensure you completed the Initial Audio Network Setup outlined in the User Guide and have already previously attached the Duo to the Home Network you want to play music through.
2. Ensure your iPhone is detached from the Duo.
3. Press the Mode Select button to select Home Wi-Fi Mode. You will know you are in Home Wi-Fi Mode when the Home Wi-Fi Mode LED is lit. The Home Wi-Fi Mode LED will be lit red while your Duo searches for a known Home Network and connects to it. This

process takes approximately 30 seconds if this is the first time you are switching into Home Mode since powering on your Duo.

4. Once the Duo connects to a known Home Network, the Home Wi-Fi Mode LED will remain lit blue.
5. Your Duo is now attached to your Home Network. You can play to your Duo via any device on the network that can play to network attached speakers. For example, any iPhone or iPad connected to your Home Network can now play to your Duo via Air Play.
6. In Home Wi-Fi Mode, you can use the Quick Play button on the Duo to quickly play a pre-programmed favorite music source. Once you are connected to your Home Network, just short press the Quick Play button on the Duo, and your pre-programmed favorite music source will begin playing! See "Quick Play" section for details on programming this feature.
7. If you have multiple Duos or other PERI Wi-Fi speakers attached to your Home Network at the same time, you can use the PERI app to play your music to multiple speakers at the same time. See the "Play Music to Multiple Speakers via the PERI App" section.

#### **Playing Music in Away Wi-Fi Mode**

1. Ensure your iPhone is detached from the Duo.
2. Press the Mode Select button to select Away Wi-Fi Mode. You will know you are in Away Wi-Fi Mode when the Away Wi-Fi Mode LED is lit. The Away Wi-Fi Mode LED will be lit red while the Duo is configuring itself for Away Wi-Fi Mode. Once your Duo's Away Wi-Fi Network is established, the Away Wi-Fi Mode LED will turn solid green.
3. Once your Duo's Away Wi-Fi Mode LED is solid green, that means it is broadcasting its own Wi-Fi Audio network signal for nearby iPhones, iPads or Android phones to connect to it (similar to how it broadcasts a Bluetooth signal in Bluetooth Mode).
4. To play music to your Duo via this Away Mode Wi-Fi connection, go to your iPhone's Wi-Fi Settings screen. Look for the Duo's Away Wi-Fi Mode Network SSID under the "Choose a Network" section. This network name will start with "DIRECT-LB\_PERI\_DUO"
5. Select the Duo's network, and your iPhone will connect to your Duo. You can now play music to your duo via Air Play.
6. The benefit of using the Away Wi-Fi Mode is that Wi-Fi Audio protocols allow you to play high-resolution audio files versus Bluetooth Mode which will only allow you to play compressed audio files like MP3s.
7. Please note that when your iPhone is connected to your Duo in Away Wi-Fi Mode, you cannot connect your iPhone to its LTE data, so you cannot stream cloud music sources like Spotify or Pandora when in Away Wi-Fi Mode. Generally, Away Wi-Fi Mode is meant to play your high-resolution audio files stored on your iPhone or iPad or to play to multiple Duo speakers at once while you are not connected to a Home Network.
8. To play to multiple Duos at once while in Away Wi-Fi Mode, long press the Mode button on your Duo to begin broadcasting your Duo's Wi-Fi Audio Network to other Duos. Your Duo's Away Mode LED will flash green while it is broadcasting its signal to other Duos. When your Duo is done broadcasting its signal, it will be lit solid green.
9. Your nearby friends with Duos should put their Duos in Away Wi-Fi Mode and then double-press their Mode button. This will instruct their Duo to search for your signal. Their Away Wi-Fi Mode LED will flash blue while it is searching. When their Duo connects to your Duo, their Duo's Away Wi-Fi Mode LED will remain solid blue.

### **Controlling Volume on the Duo**

To increase the volume of the Duo, short press the Volume button. Each short press will increase your Duo's volume.

To decrease the volume of the Duo, press and hold the Volume button. As you hold down the Volume button, the Duo's volume will gradually decrease.

#### **WARNING:**

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

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.

#### **Operational Precautions**

Please use your phone properly. When making or receiving a call, please hold your phone as holding a wireline telephone.

SAR: This mobile phone meets government requirements for exposure to radio waves. Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the population. The guidelines were developed and confirmed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate. The highest tested SAR values for this mobile phone compliance against FCC standard limit 1.6 W/kg is 0.269 W/kg.

Do not touch the antenna area when the phone is in use. Touching the antenna area affects call quality and may cause the phone to operate at a high power level than needed.

Keep the phone out of the reach of small children. The phone may cause injury if used as a toy.