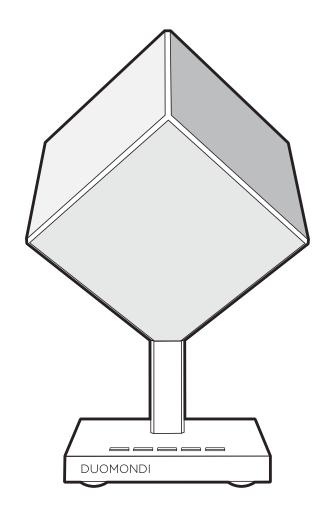
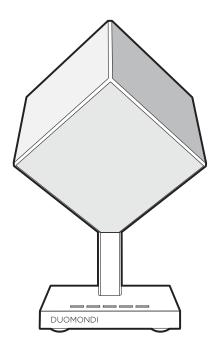
OWNERS MANUAL Ver 1.0





Index

Introduction	1
Trademark Notice	1
IMPORTANT SAFETY INSTRUCTIONS	2
General Heed and Warnings	2-3
FCC Statement	3
FCC Radiation Exposure Statement	3
Canadian Statement	3-4
CE Statement	4
Battery Information	4
NCC Statement	4
Unpacking	5
Connectivity	5
Getting Started	5
Connecting the Power	5
Power Control	5
AUX line-in Mode	6
Bluetooth Mode for Music Streaming	6
Overview	7
User Controls	7
Power Switch	7
Audio Controls	7
Audio Level Display	7
Lighting Controls	8
True Wireless Stereo Pairing Mode	8
Enter Stereo Pairing Mode	8
Successful Stereo Pairing	9
If Wrong Indication	9
Stereo Pairing Removal	9
Bluetooth Dual Pairing	9
USB Audio Device	9
Battery Level	10
Auto Volume Limit	10
Auto Brigthness Limit	10
Charging	11
Firmware Update	11-12
Cancel Firmware Update	13
Factory Reset	13
My Spero Mobile Phone App	14
Main Menu	14
Audio Effects Adjustment Menu	14
Lighting Effect Preset Menu	15
Customizable Lighting Effects Menu	15
Technical Specifications	16
Service	16
Cleaning	16
Size & Dimensions	17



The SPERO 10 is a exciting wireless loudspeaker system including stunning lighting effects allowing you to enjoy music from any Bluetooth audio source or external analog audio sources.

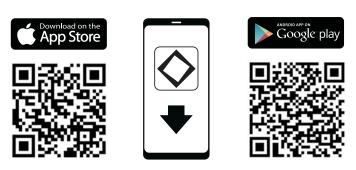
The SPERO 10 suits your mood with fantastic audio quality complemented with exciting lighting effects.

Thank you for choosing DUOMONDI!

To ensure proper operation, please carefully read this owner's manual and safety instruction before using the product. After reading this manual, be sure to keep it for future reference.

Should you have any questions about your new device please contact support at:

https://www.duomondi.com/support



Download My Spero app for the following features: Consists of convenient lighting controls, audio tonality adjustment and user customization of all entertainment features.

The SPERO family of products have advanced Bluetooth functions such as Truewireless Stereo Pairing and Dual phone pairing to enhance the sound stage and make the product useful to more then one Bluetooth source.

Complimentary Android & iOS mobile phone applications allow easy customization of the SPERO's audio tonality and visual effects.

Trademark Notice



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

DUOMONDI®

The DUOMONDI® word mark and logos are registered trademarks owned by Duomondi International Development Co. Ltd.

Other trademarks and trade names are those of their respective owners.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN

ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol alerts the user to the presence of recommendations about the product's use and maintenance.



The lighting flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated, dangerous voltage within the product enclosure that may be of magnitude to constitute a risk of electrical shock.



WARNING! This product contains magnetic material. Contact your physician if you have questions on whether this might affect the operation of your implantable medical device



This symbol Indicates safe use in non-tropical climatic conditions.



For indoor use only This electrical equipment is designed primarily for indoor use.



Please dispose of this product at the end of its operational lifetime by bringing it to your local collection point or recycling center for such equipment.

WARNING: Only use attachments/ accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery, etc.)

General heed and warnings

- · Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- · Do not block any ventilation openings. Install in accor dance with the manufacture's instructions.
- Do not install near any heat sources such as radiators, heat registers. stoves, or other apparatus (including amplifiers) that produce heat.
- · Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- · Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- · Clean the product only with a soft and dry fabric.Never use liquid cleaning products, as this may damage the products cosmetic surfaces.
- · Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with apparatus. When a cart or rack is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
- Unplug the apparatus during lightning storms or when unused for long periods of time.

- Avoid placing the product in a location under direct sunlight or near any appliance that generates UV (Ultra Violet) light, as this may change the product surface finishing and cause a change in color.
- Audio vibrations created by the product may cause other objects to move, ensure that loose objects are not at risk of falling onto the product or persons and cause personal or object damage.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.
- Refer all servicing to qualified 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 has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Please see the bottom of the product for nameplate and electrical rating.
- CAUTION: The instructions under Service section are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- The maximum ambient operating temperature is 40°C

FCC Statement

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:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated in accordance with provided instructions. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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.

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

Canadian Statement

ISED Canada Statement:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence exempt RSS(s). Operation is subject to the following two conditions:

 this device may not cause interference and
 this device must accept any interference, including interference that may cause undesired operation of the device.

Radiation Exposure: This equipment complies with Canada radiation Exposure limits set forth for an uncontrolled environment to maintain compliance with IC's RF Exposure guidelines. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Déclaration du Canada:

Ce dispositif contient un (S) émetteur (S)/récepteur (S) exempté (S) de licence qui respecte l'innovation, Science et développement économique Canada a exempté le ou les RSS de licence. L'exploitation est soumise aux deux conditions suivantes:

- 1) cet appareil ne doit pas causer d'interférences et
- ce dispositif doit accepter toute interférence, y compris toute interférence pouvant entraîner un fonctionnement indésirable du dispositif.

Exposition au rayonnement: cet équipement est conforme au rayonnement Canada Les limites d'exposition fixées pour un environnement non contrôlé afin de maintenir la conformité avec les lignes directrices d'exposition aux RF d'IC. Ce dispositif et ses antennes ne doivent pas être co-localisés ni fonctionner en conjonction avec une autre antenne ou un autre émetteur.

CE Statement

Hereby, Manufacturer (Duomondi International Development Co. Ltd), declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

- The plug of the power supply is used as the disconnect device, the socket-outlet shall be installed near the equipment and shall be easily accessible.
- The marking is located on the bottom of the apparatus.
- · CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
- High or low extreme temperatures that a battery cannot be subjected to during use, storage or transportation and low air pressure at high altitude.
- · Replacement of a battery with an incorrect type that can defeat a safeguard.
- · Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Leaving battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Battery Information

CAUTION: Risk of explosion if the battery is replaced by an incorrect type.

High or low extreme temperatures that a battery cannot be subjected to during use, storage or transportation and low air pressure at high altitude.

Replacement of a battery with an incorrect type that can defeat a safeguard.

Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

Leaving battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.

A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

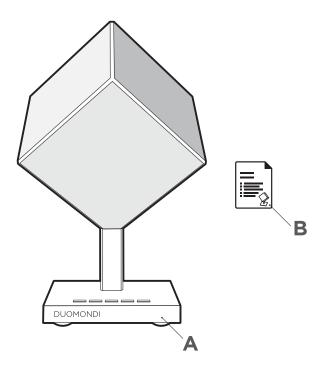
NCC Statement

Without permission granted by the NCC, any company, enterprise, or user is not allowed to change frequency, enhance transmitting power or alter original characteristic as well as performance to a approved low power radio-frequency devices. The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, the user shall cease operating immediately until no interference is achieved. The said legal communications means radio communications is operated in compliance with the Telecommunications The Management Act. low radio-frequency devices must be susceptible interference with the from legal communications or ISM radio wave radiated devices.

Unpacking

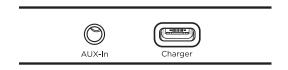
Each SPERO 10 is built to the highest standard and thoroughly inspected before leaving the factory. Upon arrival, carefully inspect the packaging. If you find any damage, immediately notify the retailer or shipping company. Check that the following parts are supplied within the package:

- A. SPERO 10
- B. Quick start guide
- C. USB-C Fast Charger (not included)



Connectivity

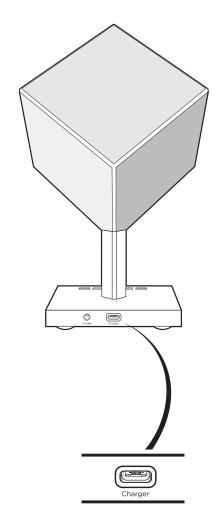
The SPERO 10 features wireless Bluetooth connectivity. Physical audio and power connections can be made via ports located on the rear face of the base.



Getting Started

Connecting the Power

- (1) Connect and appropriate USB-C, 2A fastcharge cable to the charging port
- (2) The charger should be capable 2A @ 5V)



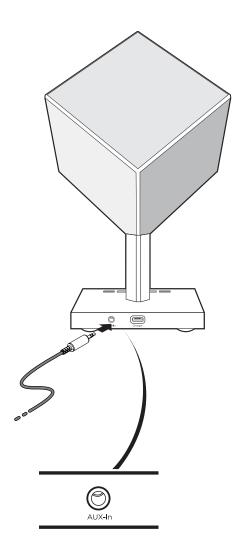
Power Control

Press and Hold the power button for 3 seconds to power ON/OFF the product



AUX Line-In Mode

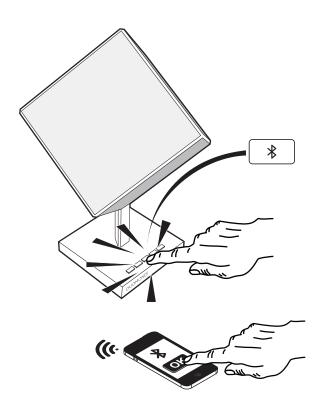
To use the SPERO 10 as an active loudspeaker, simply connect the 3.5mm audio cable from your music source to the Aux input connection and start playing music



Bluetooth Mode for Music Streaming

To use the Bluetooth speaker, please follow these simple steps:

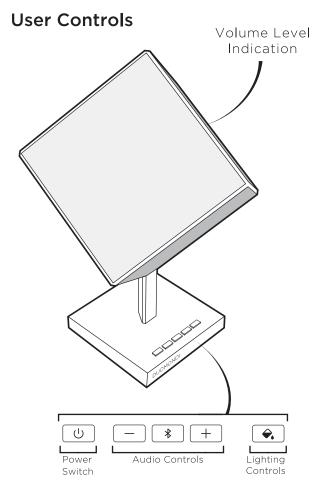
- 1. Make sure the speaker and your Bluetooth-enabled device such as a smartphone or tablet are no more than 1 meter (3ft) away
- 2. To initiate the pairing process:
 - press the Bluetooth button on the SPERO 10 base
 - Enable your mobile device's Bluetooth function and set the device to search for nearby Bluetooth devices
 - After the search is completed, select the SPERO 10 from the Bluetooth device list



3. Once paired, the SPERO 10 will announce the "Pairing Successful" jingle. Ensure the SPERO 10 and your Bluetooth-enabled device are always within a 10-meter (30ft) distance to ensure stable connectivity (obstacles could shorten the wireless range)

Overview

The SPERO 10 delivers pristine sound and exciting visual lighting effects. Both sound and lighting controls are accessible on the base of the product and customizable through the iOS and Android mobile applications.



Power Switch



Power Switch

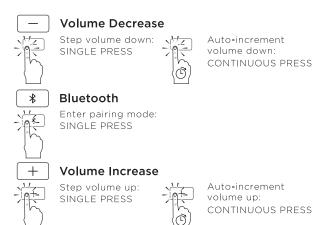


To toggle ON/OFF the SPERO 10 PRESS AND HOLD for 3s

When the SPERO 10 power is turned on, it will announce the "Power On" jingle.

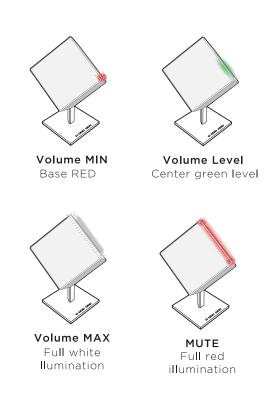
When the SPERO 10 power is turned off, it will announce the "Power Off" jingle.

Audio Controls



Audio Level Display

The volume level can only be adjusted while the Bluetooth audio is streaming or while an external 3.5mm audio cable is inserted. The volume level is visually displayed as an illuminated volume level indicator on the front-center edge when the volume level had been modified.



Lighting Controls

The SPERO 10 has a variety of built-in entertainment lighting presets to suit the users mood.

Paint lighting mode has seven predefined colors that can be cycled through.

The last preset will disable the lighting effects. This is the "lighting off" mode.

For an ultimate lighting control experience, download the companion mobile applications for iOS or Android for complete flexability and customization of the lighting effects such as; brightness control, custom user defined colors and more!



Paint Mode

Single color palettes



Select next color paint effect: SINGLE PRESS

True Wireless Stereo Pairing Mode



The True Wireless Stereo (TWS) technology uses Bluetooth signals to enable two individual speakers to operate as a single wireless <u>Stereo Pair</u>.

Stereo Pairing should be initiated after first pairing one of the SPERO 10 speakers with your prefered music device.

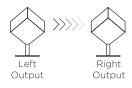
During the Stereo Pairing process, the speakers will "beep" every 5 seconds until they connect to one another. The SPERO 10 will continue to attempt the stereo pairing process for 200 seconds.

When the two SPEREO 10's successfully pair with each other, they will announce the "Successfully Pairing" jingle.

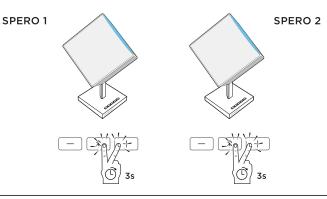
If the SPEREO 10's are unable to connect with its companion speaker, it will exit the Stereo Pairing automatically and announce the "Pair Failed" jingle.

Enter Stereo Pairing Mode

Simultaneously Press and Hold the Bluetooth and Volume Increase buttons together for 3 seconds until a Blue-Pulsing pattern is illuminated on the SPERO 10

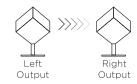


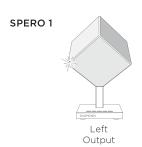
Do this process on both speakers



Successful Stereo Pairing

Once each of the SPERO 10's have successfully connected to one another, they will indicate thier connection status of either a left or right audio signal by illuminating the appropriate corner White color

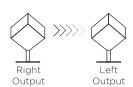


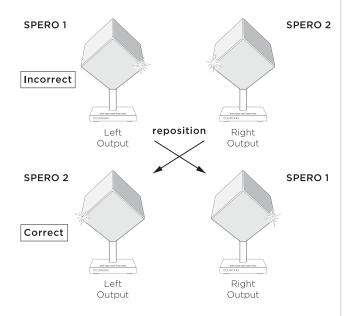




If Wrong Indication

If after successful pairing you notice the SPERO 10's have the wrong lighting indication, this means you need to physically swap thier position

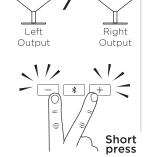




Stereo Pairing Removal

If you would like the Stereo Paired SPERO 10's to become independant again, you can perform the disconnection process by simulaniously pressing the Volume Increase and Volume Decrease buttons together at the same time.

speakers are succesfully disconnected from one another when you hear the announce the "Pairing Removed" jingle.



Bluetooth Dual Pairing



DUAL PAIRING

The SPERO 10 supports Bluetooth multipoint technology allowing to pair up to two different Bluetooth sources to the SPERO 10 at the same time. This allows the user to switch between two connected music sources easily.

Connect the two Bluetooth sources to the SPERO 10 one at a time.

Then to switch between sources, simply pause the audio stream on one source and start playing on the other. Only one source can stream music at a time.

USB Audio Device

The SPERO 10 supports USB audio streaming through the USB-C port when connected to a Personal Computer.

Connect a USB-C data cable to the USB-C port on the rear face of the base.



Choose the SPERO 10 as the computers audio output source / playback device in the Control Panel to enjoy 48kbps Music Streaming.



Battery Level

The SPERO 10 has a built-in visual battery level indictor located around the parimeter of the USB-C port on the rear face of the base.

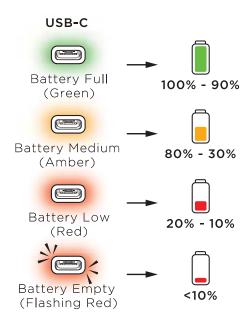
The battery level is indicated by steady or breathing color indications on the USB-C charging port.

If the USB-C Fast Charger is connected, the battery level will display at all times.

When the product is operating soley on battery power, the battery level can be checked and viewed for 10 seconds by pressing any of the function buttons on the base of the SPERO 10.

If the battery becomes lower then 20% it is recommended to connect the USB-C Fast Carger and let the SPERO 10 become fully charged before removing the charger for portable use.

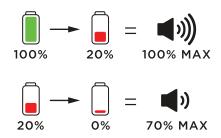
If the battery becomes lower than the allowed limit for continuous operation, the SPERO 10 will announce "Battery Low" and automatically power off when the battery becomes completely empty.



Auto Volume Limit

In order to maximize the portable playing time, the SPERO 10 incorporates a maximum volume limit. When the battery has fallen below the 20% remaining battery level threshold, the maximum volume will automatically be reduced to 70%.

Charging the speaker again will reset the maximum volume limit to 100%.



Auto Brigthness Limit

When the SPERO 10's connection to the USB-C Fast Charger is removed, the products maximum entertainment lighting brightness is limited to 70%.

This feature extends the portable playing time.

The entertainment lighting becomes completely disabled when the remaining battery level falls below the 20% level threshold.

Charging the speaker again will return the entertainment lighting brightness to its maximum brightness limit of 100%.

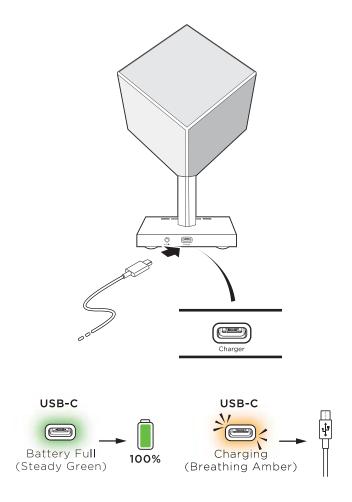


Charging

The SPERO 10's build-in rechargeable battery allows you to enjoy and bring your music with you without wires.

To charge the SPERO 10, supply and connect your own USB-C 2A Fast Charger. (Fast Charger and USB-C Cable are not included)

Connect the Charger



When the battery charger is connected to the SPERO 10, the illuminated battery level indicator will breath amber color to indicate the charging is in progress.

Once the charging of the SPERO 10 has completed, the battery level indicator will glow steady green color.

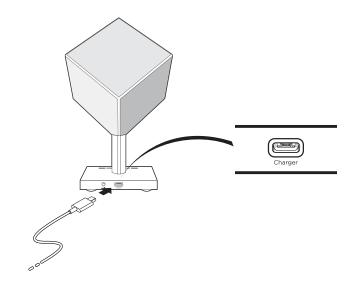
Firmware Update

The SPERO 10's User Experience may be updated using software updates provided by DUOMONDI.

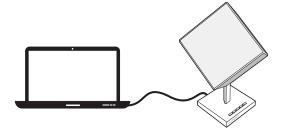
In order to update your SPERO 10 you will need a USB-C data cable to be connected to a personal computer running Windows 10 (or higher version) and the USB Updater Program which can be downloaded from the product support page.

https://www.duomondi.com/support

Connect a USB-C data cable to the charger port located on the SPERO 10 base



Connect the USB cable to your Windows 10 or higher personal computer



Now you can run the User Experience Windows Updater Application. During the update process the front edge LED light shows different lighting effects according to the updating progress:



- A. Exit Application Button
- B. Updater Version
- C. Help Page
- D. Language
- E. Connected Product Information
- F. Registered Serial Number
- G. USB Connection Status
- H. Updating Preferences
- I. Update Progress Bars
- J Execute Update Button

Using the User Experience Windows Updater Application, select the specific features you wish to update then press the UPDATE Button. The Updating Process takes approximately;

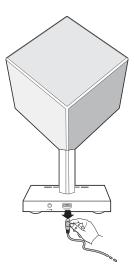
Total Time ~4.5 to 6 Minutes

Watch the Updating Progress on the SPERO 10.
The blue waving pattern indicates the update is in progress



The final step requires the user to perform a manual hardware reset. Once the upload has completed the Windows Updater Application will instruct you when it is safe to remove the USB cable from the SPERO 10. Removing the USB connection will reset the device.

(Failure to remove the USB cable will result in an incomplete update.)

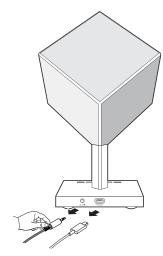


After removing the USB cable, you can now power on the SPERO 10 to finalize the updating process.

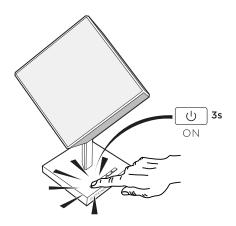
Upgrade Complete

Cancel Firmware Update

Remove all connections from the SPERO 10 base.

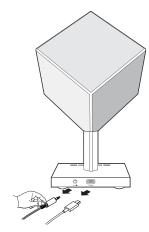


Power Cycle the SPERO 10 by long pressing the Power button until it resumes normal operation.

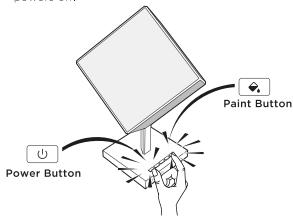


Factory Reset

Remove all connections from the SPERO 10 base.



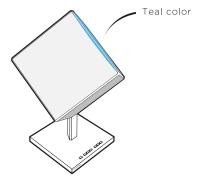
While the SPERO 10 is powered on and with all cables removed, Press and Continue to Hold both the PAINT and POWER buttons together until you hear 2 tones and the SPERO 10 automatically powers off.



Turn on the SPERO 10 again and the product will return to its factory default settings.

Factory Defaults

- Reset the displayed color to Teal
- Reset the paired devices list
- Reset the Aux-In volume level
- Reset the LED brightness to full
- Reset the User EQ to optimal



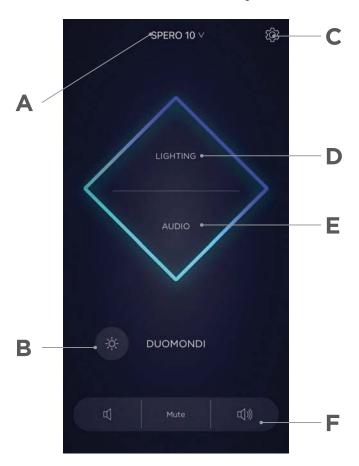
Factory Reset Complete

My Spero Mobile Phone App

The My Spero Mobile Phone App gives you ultimate control and fexibility of the SPERO angular sound light system. The App Consists of convenient lighting controls, audio tonality adjustment and user customization of all entertainment features.

Main Menu

The Main Menu gives you quick access to switch between different products, see device information and have access to basic controls on the SPERO entertainment system

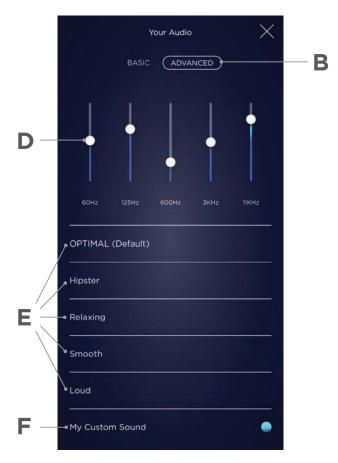


- A. Independent Speaker Selector
- B. Brightness Control
- C. Device Information
- D. Lighting Effects Control Menu
- E. Audio Effects Control Menu
- F. Volume Controls

Audio Effects Adjustment Menu

The Audio Effects Menu offers basic tonality selectors for simple audio effects adjustment and precise adjustments for those advanced audio users



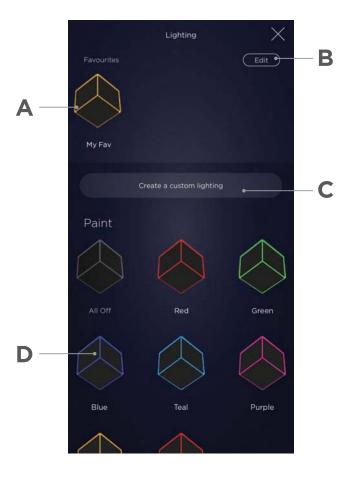


- A. Basic Audio Mode
- B. Advanced Audio Mode
- C. Simple Tonality Control
- D. Advanced EQ Control
- E. Audio Presets
- F. User Defined Preset

Lighting Effect Preset Menu

The Lighting Effect Preset Menu allows users to preview the buffet of the SPERO 10's built-in visual lighting effects and quickly select thier favorite entertainment mode.

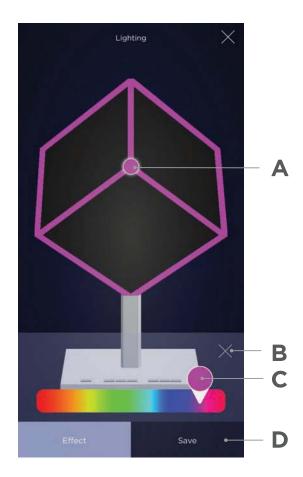
The menu also provides quick access to your custom lighting presets and save them as favorites at the top of the preset menu



- A. User Created Lighting Presets
- B. Remove / Modify Preset
- C. Customization Menu
- D. Lighting Presets (Scrollable)

Customizable Lighting Effects Menu

The Customizable Lighting Effects Menu offers users the ability to completely customize the SPERO 10's visual lighting effects, choose thier favorite colors, create lighting combinations and save them as quick access presets with a custom nametag



- A. Color Effect Location Selector
- B. Exit Color Pallet Picker
- C. Color Pallet Picker
- D. Save User Defined Preset

Technical Specifications

DUOMONDI SPERO 10		
System		
Model Number	DS10	
Amplifier Rated Power	20 Watt	
Frequency Response	70 - 17,000 Hz	
Max SPL	89 dB ¹	
Drivers	2x 2" Full Range 2x 2" Passive Radiator	
Analog input	3.5mm stereo connector	
Digital input	USB-C Digital Sound Card 16-bit @ 48kbps	
DSP	Kalimba® DSP 24-Bit Audio Processor User Configurable 5-Band Graphic Equalizer Via Mobile Phone App	
General		
Bluetooth Version	V5.0 True Wireless for Stereo Wireless Mode & Dual Phone Pairing	
Bluetooth Profile	A2DP, AVRCP, SBC, AAC, BLE	
Frequency band	2.400GHz - 2.483GHz ISM Band / ≤ 4dBm (Class 2)	
Bluetooth Range	10 m / 30 ft (free space)	
Power supply	5V _{DC} @ 2A	
Dimensions (WxHxD)	145(W) x 230(H) x 165(D) mm	
Weight	870 gm	

¹ Maximum SPL at 1 m calculated using crest factor 4 (12dB).

Service

To obtain service:

- 1. Please have the serial number of the unit available for reference.
- Contact
 https://www.duomondi.com/support

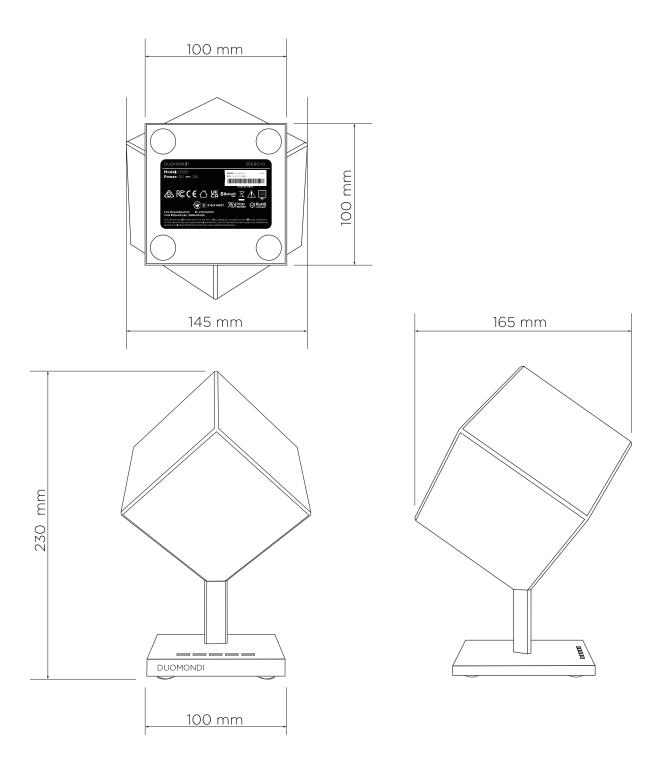
 Please describe the problem clearly and completely to the Customer Service.
- 3. You will be contacted back for online servicing.
- 4. If the problem cannot be resolved over the phone, you may be required to send the unit in for service. In this instance, you will be provided with an RA (Return Authorization) number which should be included on all shipping documents and correspondence regarding the repair. Shipping charges are the responsibility of the purchaser.

Any attempt to modify or replace components of the device will void your warranty. Service must be performed by an authorized DUOMONDI service center.

Cleaning

Use only a soft, dry cloth to clean the housing. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives. Do not use any sprays near the product or allow liquids to spill into any openings.

Size & Dimensions





Technical Support
For additional information or support with your product please visit our website



www.duomondi.com

DUOMONDI INTERNATIONAL
DEVELOPMENT COMPANY LIMITED
Flat C1, 17F, Roxy Industrial Centre
59-66 Tai Lin Pai Road
Kwai Chung , New Territories
HONG KONG