

AEGIS*PRO*



User Manual

Safety Information

Read this user manual carefully and completely before using the product

Always include this user manual when passing the product on to third parties.

Do not use an obviously defective product.

Preventing damage to health and accidents:

Keep the headphones at least 10cm/ 3.94" from cardiac pacemakers or implanted defibrillators. The headphones contain magnets that generate a magnetic field which could cause interference with cardiac pacemakers and implanted defibrillators.

Keep the product, accessories and packaging parts out of reach of children and pets to prevent accidents and choking hazards.

Do not use the product in situations which require special attention (i.e. in traffic)

Unplug the power supply unit from the wall socket during lightning storms or when it is unused for long periods of time.

Do not use the product near water and do not expose it to rain or moisture to reduce the risk of fire or electric shock.

Preventing damage to the product and malfunctions:

Always keep the product dry and do not expose it to extreme temperatures to avoid corrosion or deformation. The normal operation temperature is from 0°C to 40°C/32°F to 104°F.

Use only attachments/ accessories/ spare parts supplied or recommended by Aegis Acoustics.

Clean the non-leather parts of the product only with a soft, dry cloth.

Only use the product in environments where Bluetooth® wireless transmission is permitted.

Do not wear the headphones when charging it as the built-in rechargeable battery can get warm.

Use the product with care and store it in a clean, dust-free environment.

Do not operate the product near heat sources.

Safety Information

Intended use/ Liability

This wireless headphones is designed for use with mobiles devices (i.e. mobile music players, mobile phones, tablets, computers) that supports wireless communication via Bluetooth. Compatible Bluetooth devices include those that support the following profiles: Hands Free Profile (HFP), Headset Profile (HSP), Advanced Audio Distribution Profile (A2DP), Audio/Video Remote Control Profile (AVRCP), and Device ID profile (DIP).

It is considered improper use when this product is used for any application not named in the associated user manuals and product guides.

Aegis Acoustics does not accept liability for damage arising from abuse or misuse of this product and its attachments/accessories.

Safety Instructions for the Built-in Lithium-Polymer Battery Pack.

WARNING

In extreme cases, abuse or misuse of the Lithium-Polymer battery pack can lead to:

1. Explosion
2. Smoke or gas development
3. Heat generation
4. Fire development

Disposal of products with built-n rechargeable batteries at special collection points or return them to your specialist dealer.

Charge products at ambient temperatures between 10 and 40°C (+/- 5°C)/ 50 and 104°F (+/- 41°F).

Power off the product when not in use.

When the product has not been used for extended period of time, charge its built-in rechargeable batteries regularly (about every 3 months).

Do no heat above 70°C/158°F, e.g. do not expose to sunlight or throw into fire.

Do no charge the headphones when they are defective.

AEGIS PRO Headphones

AEGIS Pro takes audio safety to a completely new level. Invented for youth, our headphones contain a volume-limiting function, precisely tuned dual speakers and an active noise cancelling ability, all to ensure the very best of sounds, a stylish look and the safest of listening.

At the core of the AEGIS Pro is our aptly named jamsDEFENDER technology. To prevent hearing damage, it has a Digital Decibel Equalizer (DDE) that ensures the sound volume does not go above 85dB. The DDE first normalizes source volume to 0dB before bringing it back to a safeguarded level of 85dB. Not found in any other product, it is the safest and most consistent solution in the market today. Completing this splendid listening package is a smart active noise cancellation feature, which intelligently analyzes the user's surroundings and reduces up to 95% of external noise by producing opposite frequencies that cancel out unwanted, ambient noise. This results in a much more listenable clarity to the 85dB volume as well as an improved perception of volume.

The AEGIS Pro's dual drivers design does wonders. There are two precisely-tuned and strategically positioned speakers on each ear cup, consisting of a dedicated low frequency driver that harvests a deep, smooth bass that blends into, rather than overwhelms, the audio, and a high frequency tweeter that replicates crisp, natural vocals. With this, all levels of the frequency spectrum are produced, allowing the user to enjoy studio-quality sound. Also, the design eliminates any "vibrating effect" felt at the ear cups – a common problem caused by current headphones that result in user discomfort and unnecessary stress.

When it comes to connectivity, the AEGIS Pro is second to none. Users can pair and play the AEGIS Pro with Bluetooth or any other compatible device, all with the mobility to move freely up to 30 feet from the source. With a built-in rechargeable lithium ion battery, users can also enjoy 14 hours of wireless freedom.

The AEGIS Pro's LED light indicators promote responsible listening habits. The LED lights on both ear cups track and display listening durations by lighting up in blue, green and red, indicating safe, reasonable and unsafe levels respectively. This allows parents to monitor and be assured their child is adhering to healthy listening durations.

AEGIS PRO

Health and Safety Disclaimer:

This AEGIS Pro is provided as is without any health and safety guarantees. In association with the product, AEGIS ACOUSTIC INC makes no warranties of any kind, either express or implied, fitness for a particular purpose. Use of the product by a user is at the user's risk.

Bluetooth®

The AEGIS PRO headphones comply with the Bluetooth® technology 4.1 standard and are compatible with all Bluetooth® 1.1, 1.2, 2.0, 2.1, 3.0 and 4.0 devices with the following profiles:

Headset Profile (HSP) 1.2 - provides the basic functionalities used by the headphones to interact with a Bluetooth® smartphone.

Hands-Free Profile (HFP) 1.6 - provides extra functionalities as compared to the HSP. If a function, such as voice control, is not supported by the HSP profile, the HFP will take over.

Audio/ Video Remote Control Profile (AVRCP) 1.5 - used to control music on the Bluetooth® device from the headphones (play, pause, skip music track, etc.).

Advanced Audio Distribution Profile (A2DP) 1.3, used by a Bluetooth® device to stream high-quality stereo music to the headphones.

Device ID Profile (DIP) 1.3 - used by the headphones to be identified, such as by its manufacturer, product ID, product version, etc.

jamsDEFENDER technology

At the core of the AEGIS Pro is our aptly named jamsDEFENDER technology. To prevent hearing damage, it has a Digital Decibel Equalizer (DDE) that ensures the sound volume does not go above 85dB. The DDE first normalizes source volume to 0dB before bringing it back to a safeguarded level of 85dB. Not found in any other product, it is the safest and most consistent solution in the market today. Completing this splendid listening package is a smart active noise cancellation feature, which intelligently analyzes the user's surroundings and reduces up to 95% of external noise by producing opposite frequencies that cancel out unwanted, ambient noise. This results in a much more listenable clarity to the 85dB volume as well as an improved perception of volume.

Dual Driver Design

There are two precisely-tuned and strategically positioned

speakers on each ear cup, consisting of a dedicated low frequency driver that harvests a deep, smooth bass that blends into, rather than overwhelms, the audio, and a high frequency tweeter that replicates crisp, natural vocals. With this, all levels of the frequency spectrum are produced, allowing the user to enjoy studio-quality sound. Also, the design eliminates any “vibrating effect” felt at the ear cups – a common problem caused by current headphones that result in user discomfort and unnecessary stress.

LED Light Indicators

The AEGIS Pro's LED light indicators promote responsible listening habits. The LED lights on both ear cups track and display listening durations by lighting up in blue, green and red, indicating safe, reasonable and unsafe levels respectively. This allows parents to monitor and be assured their child is adhering to healthy listening durations.

What's in The Box



Headphones



Audio cable with 3.5mm jack plug



USB Cable with micro USB connector



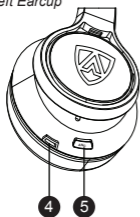
User manual

Product Overview

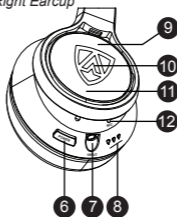
Overview of the headphones



Left Earcup



Right Earcup



- | | |
|---|---|
| 1 Adjustable Headband | 7 3.5mm Aux In Port |
| 2 Removable Ear Cushion | 8 Battery Status/EQ Modes |
| 3 Foldable Hinge | 9 Volume + |
| 4 Micro-USB Charging Port | 10 Bluetooth® On/Off, Music Track and Call Control, jamsDEFENDER Shield LED |
| 5 ANC ON/OFF/EQ Button (Music/Movie/Game) | 11 Volume - |
| 6 Power ON/OFF Button | 12 Microphone |

Overview of the jamsDEFENDER SHIELD LED

Right Earcup

Bluetooth® Connectivity Operations

Shield LED Color	Bluetooth® Mode
Flashing Blue & Red	Headphones is in pairing mode
Constant Red	Headphones is disconnected

Successful Bluetooth® or 3.5mm AUX-In connection will activate the jamsDEFENDER LED listening duration immediately.

Shield LED Color	Listening Duration
Blue	Less than 2 hours
Green	Between 2 to 8 hours
Red	More than 8 hours

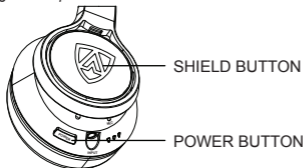
Please note: Insert the straight 3.5mm cable jack into the headphone jack and the right angled 3.5mm cable jack to the audio device.

Inserting in the opposite direction will cause the headphones to perform incorrectly.

Product Overview

Overview of buttons

Right Earcup



Power Button Operations

Action	Description	Page
Press and hold for more than 2 seconds	Wireless mode: Powers on the headphones and enters pairing mode Wired mode: Powers on the headphones	15
Press and release once	Display the current battery life of the headphones	16

Shield Button Multi-Function Operations

Action	Description	Page
Press and release once	Play/pause a song Accept/end call	16 17
Press and release two times	Plays the next song	16
Press and release three times	Plays the previous song	16
Press and hold for more than 3seconds	Disconnect the headphones from the current Bluetooth connected device.	21

Overview of buttons

Left Earcup



ANC/EQ BUTTON

ANC/EQ Button Multi-Function Operations

Action	Description
Press and release once	Turn the Active Noise Cancelling on or off.
Press and hold for more than 3 seconds	Switch to the next EQ mode. EQ modes rotates from Music > Movie > Game

Getting Started

Power Management

It takes about 3 hours to completely charge the headphones.

Before using the headphones for the first time, it is required to completely charge the battery without interruption.

When headphones is in use or when being charged, LED lights will light up or flash as indicated in the table below.

LED	Battery Level
	75% to 100%
	50% to 75%
	25% to 50%
	0% to 25%

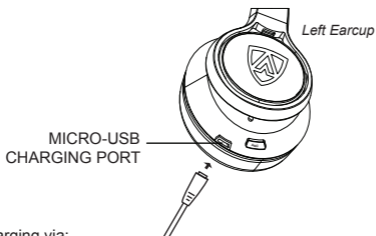
Getting Started

How to charge the headphones

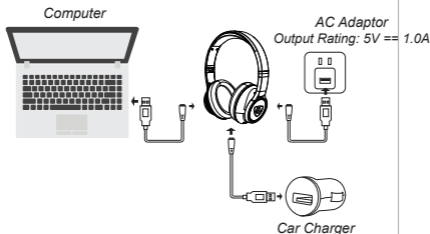
It is recommended to charge the headphones using only the supplied USB cable. If you are charging using an external USB-power adapter, it is recommended to use an adaptor with an output rating of 500 mA or higher (5V == 1.0A).

1. Connect the micro USB plug of the charging cable to the micro-USB port of your headphones.
2. Connect the USB plug to the USB port of your computer. If you are using an external power adapter, connect the USB plug to the power adapter (not included) or the USB car charger adapter (not included), and connect to the power source.

Depending on the charging condition of the headphones, the LED flashes as indicated in the LED/Battery Level table.



Charging via:



Pairing the headphones**CAUTION**

Danger of malfunction!

The transmitted radio waves of mobile phones can impair the operation of sensitive and unprotected devices.

Only make calls with the headphones in locations where Bluetooth wireless transmission is permitted.

To pair your headphones with a Bluetooth device, you have to use the Bluetooth search function. In order to successfully establish a connection between the headphones and a Bluetooth device, Bluetooth on your device must be activated.

The AEGIS PRO headphones complies with the Bluetooth 4.1 standard. To transmit data wirelessly using Bluetooth technology, you have to pair your headphones with compatible Bluetooth devices that support the following profiles.

- Hands Free Profile (HFP)
- Headset Profile (HSP)
- Audio/ Video Remote Control Profile (AVRCP)
- Advanced Audio Distribution Profile (A2DP)
- Device ID Profile (DIP)

When you power on the headphones, the headphones will automatically try to connect to the last two connected Bluetooth devices. The headphones can save up to eight previously paired Bluetooth devices connection profiles.

If you pair the headphones with a ninth Bluetooth device, the saved connection profile of the least used Bluetooth device will be overwritten. If you want to re-establish a connection with the overwritten Bluetooth device, you have to pair it with the headphones again.

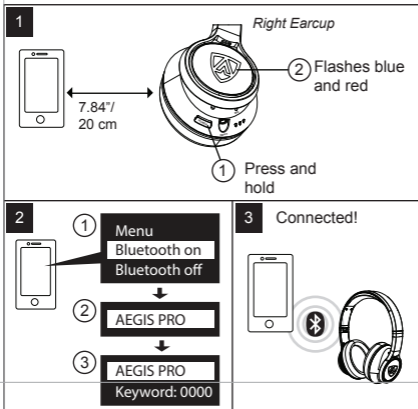
Getting Started

Pairing the headphones with a Bluetooth® device

Ensure that your headphones are within a 7.84"/ 20 cm range of your smartphone or Bluetooth® device.

1. Power off the headphones (refer to page 15). Press the POWER BUTTON and keep it pressed until you hear the "power on" sound prompt and wait for the Shield LED to flash blue and red. The headphones are in pairing mode.
2. Enable your Bluetooth® function on your smartphone or audio device.
3. On your smartphone or audio device, start a search for Bluetooth® devices.
4. From the list of found Bluetooth® devices, select "AEGIS PRO" to establish a Bluetooth® connection to the headphones. If necessary, enter the default PIN code "0000" / four zeros. A voice prompt "CONNECTED" can be heard during a successful pairing.

If no connection is established within 5 minutes, pair mode will be terminated and the headphones will power off for power saving. Power on the headphones and repeat the above pairing procedure.



How to disconnect the headphone from a Bluetooth® device.

Disable the Bluetooth® visibility on your smartphone or Bluetooth® device. The headphones will disconnect from the smart or Bluetooth® device, and you will hear a voice prompting "DISCONNECT". The headphones will then search for previously paired devices. If no device is found, the headphone will power off after five minutes.

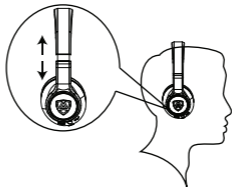
1 Disable Bluetooth®

Menu
Bluetooth on
Bluetooth off

2 Disconnected!**Adjusting the headband**

For good sound quality and best possible wearing comfort, you can adjust the ear pad location on the headband to properly match the size of your head. The ear cups feature a locking mechanism that you can easily slide up and down through the headband slider.

1. Wear the headphones so that the headphones runs over the top of your head.
2. Adjust the location of the earpads by moving the ear cups up and down with the headband slider until:
 - your ears are comfortably covered by the earpads,
 - you feel even, gentle pressure around your ears,
 - a snug fit of the headband on the head is ensured.



Using the headphones

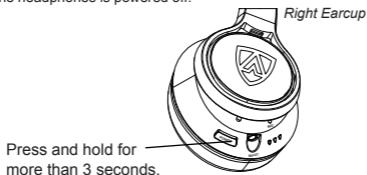
NOTE: Because of the active 85dB volume limiting function, the headphones has to be **POWERED ON** when in **both wireless and wired mode**.

Powering on the headphones

1. Press and hold the POWER BUTTON for more than 3 seconds.
2. You will hear the "POWER ON" sound prompt and the LED will show the battery life of the headphones.
3. The headphones is powered on.

Powering off the headphones

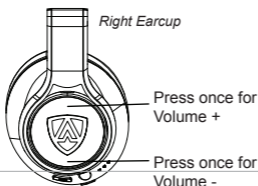
1. Press and hold the POWER BUTTON for more than 3 seconds.
2. You will hear the "POWER OFF" sound prompt and the LED will flash the battery life of the headphones.
3. The headphones is powered off.



Adjusting the volume

You can adjust the volume of the headphone at any time according to your mood or preference.

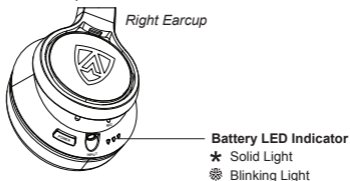
1. Press the volume up button to increase the volume.
2. Press the volume down button to reduce the volume.



Checking the remaining battery life

You can check the remaining play and talk time of the battery at any time.

Press the **POWER BUTTON** once to display the current battery status of the headphones.



LED	Battery Level
***	100%
**	50% to 75%
*	25% to 50%
✨	0% to 25%

Depending on your smartphone, the battery life of your headphones will be displayed on your smartphone.

Music functions in Bluetooth Mode

The following music functions are only available if the headphones and the smartphone are connected using Bluetooth® wireless technology. Some smartphones may not support all functions.

Use the **SHIELD BUTTON** for all music features

Action	Description
Press and release once	Play/pause a song
Press and release two times	Plays the next song
Press and release three times	Plays the previous song

Using the headphones

Call functions

The following call functions are only available if the headphones and the smartphone are connected using Bluetooth wireless technology.

Making a call

Dial the desired number on your mobile phone. If your mobile phone does not automatically transfer the call to the headphones, select the AEGIS PRO as the audio source on your smartphone. (please refer to your smartphone's user manual if necessary)

Accepting/ rejecting/ ending a call

If your headphones are connected to a smartphone and you receive a call, you will hear your ring tone in the headphones and the LED flashes blue. If the battery level of the headphone is low, the LED flashes red.

If you are listening to music when you receive a call, the music is paused until you end the call.

Right Earcup



Press the SHIELD
BUTTON

Use the SHIELD BUTTON for all call features

Action	Description
Press and release once	Accept/Start a call
Press and hold for more than 1 second	Reject a call

During a successful connected active call,

Action	Description
Press and release once	End a call

During a successful connected active call, connected phone receives another incoming call,

Action	Description
Press and release once	Accept the incoming call and ends the active call
Press and release two times	Accept the incoming call and puts the active call on hold

Using the 3.5mm Aux-In cable

To ensure AEGIS PRO is always safe for listening, the volume limiting technology requires the headphones to power on at all times.

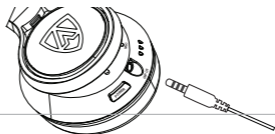
Bluetooth®, call and music control functions are disabled if the audio cable is used. It is recommended to use the audio cable only in scenarios where wireless transmission is not allowed. i.e. during aircraft take-off and landing. For playback functions in wired mode, please use the controller found on the provided 3.5mm cable.

Action	Description
Press and release once	Play/pause a song
Press and release two times	Plays the next song
Press and release three times	Plays the previous song

Connecting the 3.5mm Aux-In cable

Plug the 3.5mm Aux-In cable into the audio input of the headphones until you hear a click sound. Turn the jack plug clockwise and ensure that it is surely locked in place.

1. The Bluetooth connection will automatically be disabled.
2. Connect the 3.5mm Aux-In to the audio output of your smartphone.



Right Earcup

Care and maintenance

CAUTION

Liquids can damage the electronics of the product!

Liquids entering the housing of the product can cause a short-circuit and damage the electronics.

Keep all liquids away from this product.

Do not use any solvents or cleaning agents.

Storage and handling

To keep the headphones in good condition and avoid nicks and scratches, and fold the ear cups inwards towards the headband when not in use.

Replacing/ removing the rechargeable battery

During the warranty period, the rechargeable battery must only be replaced by an authorized AEGIS Acoustics service center, otherwise the warranty will be nulled and voided.

Contact your AEGIS Acoustics service center if the rechargeable battery needs to be replaced or removed.

Outside the warranty period, the rechargeable batteries may be replaced or removed by any qualified service center in an appropriate manner.

Troubleshooting

Problem	Possible cause	Rectification	Pg
Headphones cannot be switched on	Battery is empty	Charge the headphones	11
	Battery is completely exhausted/worn out	Visit an authorized AEGIS service center for battery replacement	
No audio signal	Headphones are not paired with your device	Check if the headphones are paired. If necessary pair the headphones with your device again.	13
	Volume too low	Increase the volume.	15
	Headphones are switched off	Switch the headphones on	15
Headphones cannot connect	Pairing does not work	Check if your smartphone supports the HFP or HSP Bluetooth profile	
	Smartphone is switched off	Switch your smartphone on	
	Bluetooth is deactivated on your smartphone	Activate Bluetooth on your smartphone	
Headphones do not respond to any pressed button	Function of the headphones is faulty	Clear the bluetooth pairing setting from the headphones	21

If you encounter a problem that is not listed in the above table, or if the solution provided does not work, please contact an authorized AEGIS Acoustics service partner for assistance.

Troubleshooting

Leaving the Bluetooth® transmission range

Wireless calling and streaming are only possible in the Bluetooth® transmission range of your smartphone. The transmission range largely depends on environmental conditions such as wall thickness, wall composition etc. With a free line of sight, the transmission range of most smartphones and Bluetooth® devices is up to 32.8ft/ 10 meters.

If the headphones leave the Bluetooth® transmission range of the smartphone, it will be disconnected. You can re-establish the connection when you re-enter the Bluetooth® transmission range.

Clearing the pairing settings

1. Press and hold the shield button for more than 3 seconds and the shield LED will flash blue and red repeatedly. The headphones are now in pairing mode.

Customer Support

Thank you for your purchase of this Product.

If you have any questions or comments, please email them to support@aegisacoustics.com

AEGIS ACOUSTICS INC

2645 Brooklyn Queens Expressway W., Woodside, NY 11377

Specifications

AEGIS PRO

Earcup design	Over the Ear
Driver Size	40mm Low-Mid Freq. Drivers 23mm Titanium-coated High Freq. Drivers
Frequency Response	20 Hz - 20 kHz
Sound Pressure level	85dB (passive: 1kHz/ 1 Vrms)
Impedance	10Ω @ 1kHz
Rate Output Power	10mW
Aggregate Capability	40mW

Battery

Battery	3.7V Lithium-Ion Battery 1,000mA
Run Time	9 hours
Charging Time	Less than 4hours

Microphone

Microphone Directivity	Omni-Directional
Microphone Sensitivity	-36dB ±3dB
Microphone Impedance	2.2KΩ

Bluetooth®

Bluetooth Version	V4.1
Bluetooth Range	32.8 ft
Transmission Frequency	2.30~2.48G
Transmission Class	Class 2
Bluetooth Profile	AVRCP, A2DP, HFP & HSP

LEGAL AND COMPLIANCE

FCC Statement

WARNING:

Changes or modifications to this unit 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.

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.

FCC ID: 2AGB6-AEGISPRO

www.AegisAcoustics.com

CANADA STATEMENT

This device complies with Industry Canada RSS-210. Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation of the device.

This product has been tested and evaluated by an independent accredited test lab and found in compliant with all the applicable EMC, RF, and safety requirements per standards

RED Directive

EMC Directive

RoHS Directive (2011/65/EU)

Product safety Directive (2001/95/EC)

Headphone for mobile players: A12, EN 50332-2

AEGIS ACOUSTICS INC LIMITED WARRANTY

Aegis Accoustics warrants this product against defects in materials or workmanship, under normal use, in accordance with the specifications and warnings, for a period of 12 months from the original date of purchase of the product. Pursuant to this Limited Warranty, Aegis Accoustics will, at its option, (i) repair the product using new or refurbish parts or (ii) replace the product with a new or refurbished product. For purpose of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications.

The Limited Warranty covers only the hardware components packaged with the Product. It does not cover product issues caused by any other reasons, including but not limited to damages or malfunctions not resulting from defects in materials or workmanship under normal use, repair by unauthorized parties, tampering, misuse, modification, acts of GOD, accident. It does not cover limitations of technology or product purchased from other than Aegis Accoustics or Aegis Accoustics' authorized retailer, technical assistance for hardware or software usage, and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty.

There are no other express or implied warranties. Aegis Accoustics' liability is limited to repair or, at its sole option, replacement of the product. Incidental, special and consequential damages are disclaimed where permitted by law.

To obtain warranty service, you must deliver the product with the valid proof of purchase in the form of original sales receipt from Aegis Accoustics or a Aegis Accoustics' retailer showing the product name and the date of purchase, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to our Support Centre.

Limited Warranty

Please email to support@aegeisacoustics.com for customer support or to obtain specific instructions on how to obtain warranty service for your product.

AEGIS ACOUSTICS INC
2645 Brooklyn Queens Expressway W., Woodside, NY 11377

PRODUCT CODE: