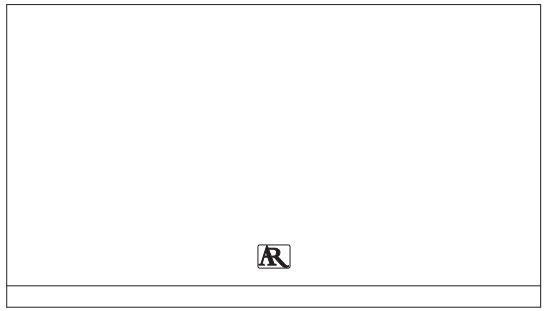
Acoustic Research

user **manual**
guide de l'utilisateur
manual de usuario

ARS70



Product registration

Thank you for purchasing an Acoustic Research product. We pride ourselves on the quality and reliability of all our electronic products but if you ever need service or have a question, our customer service staff stands ready to help. Contact us at www.acoustic-research.com. **PURCHASE REGISTRATION:** Registering On-line will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act. **Register Online at: WWW.ACOUSTIC-RESEARCH.COM. Click on Product Registration and Fill Out the Brief Questionnaire.**

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Enregisregistro del productotrement du produit

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EN/F/E

It is important to read this user manual prior to using your new product for the first time.

Nous vous recommandons de lire ce manuel d'instructions avant d'utiliser votre nouveau produit pour la première fois.

Es importante leer este manual antes de usar por vez primera su equipo.

English

IMPORTANT SAFETY INSTRUCTIONS

PLEASE READ AND SAVE THIS FOR FUTURE REFERENCE

THE LIGHTNING FLASH AND ARROWHEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.	**CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.
SEE MARKING ON BOTTOM / BACK OF PRODUCT		

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

Some of the following information may not apply to your particular product; however, as with any electronic product, precautions should be observed during handling and use.

- 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 accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- 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.

Portable Cart Warning

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.

ADDITIONAL SAFETY INFORMATION

- The AC/DC adaptor supplied with this product is intended to be correctly oriented in a vertical or floor mount position.
- Do not use unauthorized chargers or power adapters. Use only chargers that came with your product or that is listed in the user's guide.
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Always leave sufficient space around the product for ventilation. Do not place product in or on a bed, rug, in a bookcase or cabinet that may prevent air flow through vent openings.
- Do not place lighted candles, cigarettes, cigars, etc. on the product.
- Care should be taken so that objects do not fall into the product.
- Do not attempt to disassemble the cabinet. This product does not contain customer serviceable components.
- The marking information is located at the rear panel of apparatus.
- To be completely disconnect the power input, the AC/DC adaptor of apparatus shall be disconnected from the mains.
- AC/DC adaptor is a disconnect device. The AC/DC adaptor should not be obstructed OR should be easily accessed during intended use.
- The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, curtains etc.
- No naked flame sources such as lighted candled should be placed on the apparatus.
- The use of apparatus in moderate climates.

FCC Information

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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.

Changes or modifications not expressly approved by Audiovox 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.

FCC ID: LMZ-19033BT
IC: 10306A-19033BT

RF Exposure Warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Industry Canada Regulatory Information

This device complies with Industry Canada license-exempt RSS standard(s). 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.

The user is cautioned that this device should be used only as specified within this manual to meet RF exposure

requirements. Use of this device in a manner inconsistent with this manual could lead to excessive RF exposure condition.

Electrical power information

AC/DC adaptor:
Input: 100-240 V AC 50/60 Hz, 0.6 A
Output: 12 V DC, 2 A

Specification

Bluetooth® wireless technology:
Bluetooth v2.1 + EDR, A2DP / AVRCP profile
Audio output power (10%THD) :
10W x 2

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This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Before you begin

Congratulations on purchasing your ARS70 *Bluetooth* wireless technology stereo amplified audio system! This product can provide you hours of music enjoyment by allowing you to wirelessly stream audio content from your mobile device such as a mobile phone or tablet or computer. No longer do you need to have your mobile phone tethered to your audio system. You can roam around the house or office while texting, or gaming, or using some other functions of your mobile phone, while still listening to the great music played back through your ARS70 audio system. You can also charge your mobile devices through the USB port, or even listen to other portable audio sources such as mp3 players through the auxiliary line input.*

* The mobile device must support *Bluetooth* version 2.1 + EDR and A2DP (Advanced Audio Distribution Profile). Not all mobile devices can support multitasking such as listening to music and texting at the same time. Not all mobile phones will be compatible with the charging ports.

Content of the box

- Main unit
- AC/DC Adaptor

Plugging in for power

Connect the supplied power adapter to the ARS70's Power jack, and connect the other end to a convenient wall outlet.

General controls

Top view

⏻ – Turn on/off the ARS70

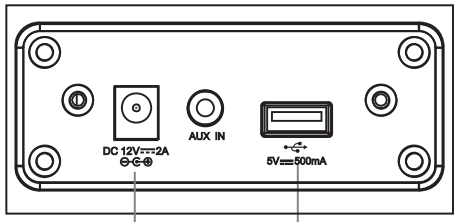
PAIR – Enter Pairing mode

⏯ – Start/pause audio playback of your *Bluetooth* device

Blue/Red LED – Turns on when *Bluetooth* wireless is activated

Green LED – Turns on when AUX IN is activated

Rear view



USB jack that charge your tablet device or cell phone.
(USB charging cable not included)

Connect to the power adapter.

LED indicators

Connection Indicators:

Status	Blue/Red LED	Green LED
Pairing mode	Blue and red flash alternatively	Off
Bluetooth connection made	Solid blue	Off
Searching mode (auto-connect to the most recent connected device)	Flashing blue	Off
Bluetooth Standby mode (available for connection from any previously paired device)	Flashing blue	Off
Power off mode	Off	Off
Aux in connected	Off	On

Pairing

Any *Bluetooth* device that you wish to have streaming audio to your ARS70 must first be PAIRED to the ARS70. The process is simple, and in most cases the PAIRING process needs to be done only once.

Pairing your *Bluetooth* wireless technology enabled products with the ARS70:

1. Activate the *Bluetooth* wireless mode on your *Bluetooth* device (smartphone, Laptop, PC) and let the device enter search mode. Refer to the device user manual for more details.

2. Press ⏻ to turn on the ARS70.

3. The ARS70 enters the pairing mode (red and blue LED flash alternatively) automatically at the first start up. If this is not the first time you use the ARS70, press and hold the **PAIR** button on the ARS70 to enter Pairing mode. The red and blue LED will flash alternately and an audio signal will be provided to let you know you can release the button.

4. You should be able to see "AR ARS70" on the device list in the *Bluetooth* settings menu on your *Bluetooth* device where you can complete the pairing operation. Note in some cases you may be prompted to enter a passkey. The passkey is "0000". The *bluetooth* settings menu or *bluetooth* device list will be found in different ways for diffrent devices depending on the brand and operating system.

You can manually break the *Bluetooth* wireless connection by a press and hold of the **PAIR** button.

- Some *Bluetooth* devices will automatically start streaming audio when connected.
- The ARS70 can store settings for up to 8 *Bluetooth* devices which simplifies the connection process for these devices without the need for re-pairing every time.
- The term "*Bluetooth* device" is used frequently in these instructions. So what is a "*Bluetooth* device"? The answer is simple. This would be any mobile phone or mobile tablet or netbook or computer which has at least both of the following capabilities:
  a) Is equipped with *Bluetooth* wireless technology: *Bluetooth* version 2.1 + EDR and A2DP.
  b) Can playback audio content such as mp3 files, etc.

Reconnecting

In the previous section you saw how to make that first connection between your *Bluetooth* device and the ARS70. However, since most people don't leave their mobile phone at home all the time, or perhaps the mobile phone is turned off from time to time, it will be necessary to reconnect your previously paired *Bluetooth* device when you wish to stream music again. There are a few different ways in which reconnections are made, and fortunately they are all very simple.

Searching mode

When the ARS70 is in SEARCHING MODE (which is indicated by a flashing of the Blue LED), the ARS70 is attempting to automatically connect to the most recently connected *Bluetooth* device. SEARCHING MODE typically occurs when the ARS70 is first turned on, or if the *Bluetooth* device goes out of the range. See the *Bluetooth* range section on *Bluetooth* wireless technology range. Once this most recent device is back within range, the re-connection should be automatic. However, it may be necessary to initiate the audio playback on the *Bluetooth* device. Note that the Searching mode will revert to *Bluetooth* Standby Mode (see next section) if no re-connection is made.

Reconnecting

Bluetooth Standby mode

If the most recently connected *Bluetooth* device can not be found during Searching Mode, then the ARS70 will revert to *BLUETOOTH* STANDBY MODE. While in this mode, the ARS70 will accept connection from any previously paired *Bluetooth* devices (up to 8 devices). Simply initiate the connection to the ARS70 on your *Bluetooth* device. See your *Bluetooth* device for more information.

Bluetooth range

The *Bluetooth* wireless technology generally can operate within a range of 33 feet or more. However results may vary based on other factors such as your *Bluetooth* device performance, room layout, wall material, weather conditions, etc. Also, note that when a mobile device goes out of range, the ARS70 will enter Searching mode and will attempt to automatically reconnect to the mobile device when that mobile device comes back into range within 5 minutes. (See Searching Mode section for more information)

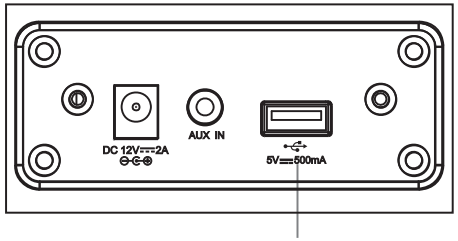
- You can always enter Pairing mode by pressing and holding **PAIR** while in either SEARCHING MODE or *BLUETOOTH* STANDBY MODE.
- If during SEARCHING MODE (Blue LED is flashing), you wish to quickly connect any other *Bluetooth* device (including those previously paired), simply press/hold the **PAIR** button to enter PAIRING mode, and proceed to PAIR the *Bluetooth* device (see PAIRING section).
- Generally when the user disables *the Bluetooth* wireless *connection* on a connected *Bluetooth* device the ARS70 will enter *Bluetooth* Standby mode which means that the ARS70 would be available for other previously paired *Bluetooth* devices to connect (See *Bluetooth* Standby Mode section for more information). However, in some cases, the disabling of *Bluetooth* wireless connection on the connected *Bluetooth* device may not result in the ARS70 immediately entering *Bluetooth* Standby mode, and may enter Searching Mode. (See Searching Mode section for more information)

Music playback

When your *Bluetooth* device is connected with the ARS70, the blue LED lights. Press ⏯ to play/pause music on your device.

USB charging

Use the USB jack on the back of the ARS70 to charge your tablet, cell phone or other mobile device.



USB jack that charge your tablet device or cell phone.

Connect your tablet device or cell phone to the USB jack. Your device should start charging.

USB charging

- Charging function may not be supported for all phones, tablets or electronic devices.
- Use the appropriate USB cable provided with your cell phone or tablet for charging.
- Charging function is always enabled as long as the AC/DC adapter is plugged in and connected.

Auxiliary source

1. To select auxiliary mode, connect your auxiliary source (e.g. mp3 player) to the AUX input jack at the back of the ARS70 with a 3.5mm audio in cable (not supplied).

2. The green LED will turn on. Control all other playback operations from your auxiliary player.

3. To switch back to the *Bluetooth* connection, disconnect the 3.5mm cable from the AUX input jack at the back of the audio system.

The 3.5mm audio direct connection suspends any *Bluetooth* streaming audio you're listening to. The ARS70 plays only the direct connect audio when you have something connected to the AUX input jack.

Troubleshooting tips

Q: Cannot turn on the ARS70 **when charging.**

A: The ARS70 will shut down to protect itself from damage when charging is overloaded. To resume operation, disconnect the USB connection and turn on the ARS70 again.

Q: Streaming stops and the Power LED turns off when plugging in device to the USB jack.

A: The ARS70 will shut down to protect itself from damage when charging is overloaded. To resume operation, disconnect the USB connection and turn on the ARS70 again.

Q: No sound or sound is very low.

A: Make sure the *Bluetooth* wireless connection is correct and playback has been successfully started. Check the volume level of your *Bluetooth* device.

- Make sure you have disconnected the 3.5 mm audio in cable from the AUX input jack.

Q: My paired *Bluetooth* device can not reconnect to the ARS70**.**

A: Press and hold **PAIR** to enter Pairing mode again. A reconnection may fail due to :

- The pairing information has been deleted from your *Bluetooth* device.
- You may have exceeded the allowable number of paired devices for the ARS70. Only 8 *Bluetooth* devices may have their pairing credentials stored at one time. Simply follow the above instructions for Pairing to have a device paired again. However remember that the ARS70 can only store credentials for 8 devices. Therefore the earliest paired device will be removed from that list of 8 to make room for the device you wish to Pair.

Warranty information

12 Month Limited Warranty Applies to AR Audio Systems

AUDIOVOX ACCESSORIES CORP. (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, loss/interruptions of broadcast or internet service, to costs incurred for installation, removal or reinstallation of product, to corruptions caused by computer viruses, spyware or other malware, to loss of media, files, data or content, or to damage to tapes, discs, removable memory devices or cards, speakers, accessories, computers, computer peripherals, other media

Warranty information

players, home networks or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

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Recommendations before returning your product for a warranty claim:

- Properly pack your unit. Include any remotes, memory cards, cables, etc. which were originally provided with the product. However DO NOT return any removable batteries, even if batteries were included with the original purchase. We recommend using the original carton and packing materials. Ship to the address shown below.
- Note that product will be returned with factory default settings. Consumer will be responsible to restore any personal preference settings.

Audiovox Electronics Corp.
Attn: Service Department.
150 Marcus Blvd.
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For Canada Customers, please ship to:
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