



Assistive Listening System

INSTRUCTION MANUAL

Model #: ALS700



PLEASE READ THIS INSTRUCTION MANUAL COMPLETELY BEFORE OPERATING THIS UNIT AND RETAIN THIS BOOKLET FOR FUTURE REFERENCE

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SAFE OPERATION

For safe operation please ensure to follow the instructions indicated below.

- Stop operation immediately if any liquid or solid object should fall into the cabinet.
- If the unit is not to be used for a long period of time, please ensure to disconnect all power sources. Remove all batteries from the receiver battery compartment, and unplug the transmitter AC/DC adapter from the wall outlet. Do not unplug the AC/DC by pulling the cord.
- Place the transmitter only on a flat and even surface.
- Place the unit in an area with proper ventilation. Do not cover the unit with a cloth or place on a carpeted surface.
- Do not use the unit in extremely hot, cold, dusty or humid environments
- Placing the unit in a humid environment may cause condensation to form inside the unit. If this were to occur, remove all power sources and allow the unit to sit at room temperature for 1-2 hours prior to usage allowing the condensation to dissipate.

COMPLIANCE WITH FCC REGULATIONS

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.

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.

PREPARATION FOR USE

UNPACKING YOUR ASSISTIVE LISTENING SYSTEM

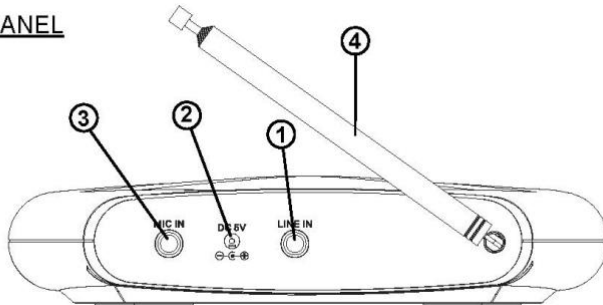
This system includes the following items:

- ALSM700 Dual Channel Transmitter x 1
- ALSR700 Dual Channel Receivers x 6
- ASLB700 Mono Earbuds x 6
- Power Adapter x 1
- Instruction Manual x 1
- AAA Batteries x 18
- Carrying Case x 1

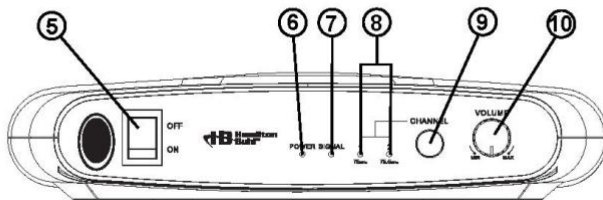
LOCATION OF CONTROLS

ALSM700 TRANSMITTER

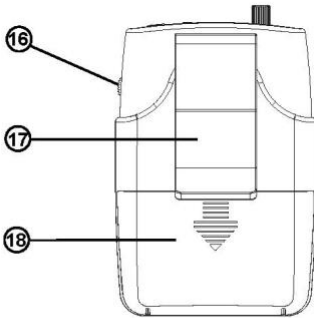
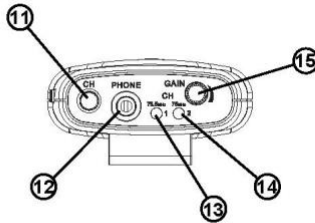
REAR PANEL



FRONT PANEL



ALSR700 RECEIVER



- | | | | |
|----|-----------------------------|----|--------------------------|
| 1 | LINE IN JACK | 11 | CHANNEL SELECTION BUTTON |
| 2 | DC 5V JACK | 12 | PHONE JACK |
| 3 | MICROPHONE INPUT | 13 | CH1 INDICATOR |
| 4 | ANTENNA | 14 | CH2 INDICATOR |
| 5 | POWER ON/OFF SWITCH | 15 | GAIN CONTROL KNOB |
| 6 | POWER INDICATOR | 16 | POWER ON/OFF SWITCH |
| 7 | SIGNAL INDICATOR | 17 | BELT CLIP |
| 8 | CH1 & CH2 INDICATORS | 18 | BATTERY COMPARTMENT |
| 9 | CHANNEL SELECTION
BUTTON | | |
| 10 | VOLUME CONTROL | | |

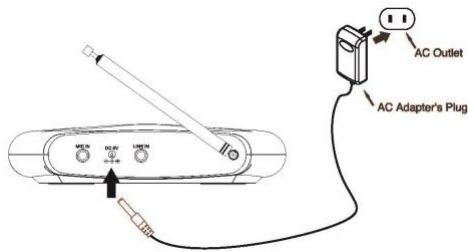
ALSM700 TRANSMITTER

POWERING THE TRANSMITTER

NOTE: Only use the supplied power adapter.

1. Insert the smaller end of the plug of the adapter to the back of the transmitter. Please ensure the power switch is on OFF prior to inserting the plug.
2. Plug the large end of the adapter into an AC wall socket.

See diagram below for reference.



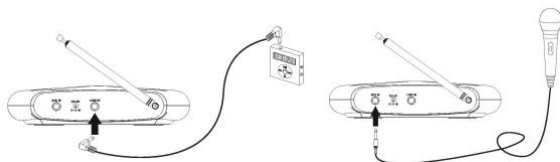
3. Turn on the Power by pressing the **POWER SWITCH**. Once turned on, the power indicator will illuminate.
4. The transmitter "signal" indicator will illuminate to confirm that the transmitter is broadcasting.
5. Press the **CHANNEL** button on the front panel to select your desired channel.

SETTING UP THE TRANSMITTER

MICROPHONE INPUT the 1/4" **MIC IN** jack on the back of the transmitter is designed to accept either dynamic or electret microphones (microphone not included)

The 1/4" **LINE IN** jack enables you to connect directly to any audio source (Cable not included).

See below diagram for reference.



ALSR700 RECEIVER

FEATURES & CONTROLS

- Volume Control
- Channel Button
- CH1 & CH2 Indicators
- Power Switch
- Phone Jack

POWERING THE RECEIVER

Insert 3 x “AAA” size batteries into the battery compartment on the back of the receiver. Please ensure to insert the batteries in the correct polarity. To preserve battery life, always turn ALSR700 receiver off when not in use. If the sound quality becomes weak or distorted, try relocating the transmitter or adjusting the antenna. If the poor sound quality persists, then replace battery of the receiver. The life expectancy from a regular alkaline battery is up to 20 hours.

BATTERY WARNING

1. Be sure that the batteries are installed correctly. Inserting the batteries at the wrong polarity may damage the unit.
2. Use only the size and type of batteries specified.
3. Do not mix old and new batteries.
4. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
5. For better performance and longer operating time, we recommend the use of alkaline-type batteries.
6. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and may void the warranty.
7. Do not try to recharge any non-rechargeable batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions).
8. Do not dispose of batteries in a fire, as the batteries may leak or explode.

OPERATING THE RECEIVER

Plug the ALSB700 mono earbuds into the phone jack on top of the receiver.

Turn on the receiver with the **POWER SWITCH**. The CH1 indicator will light up when receiving a signal from the ALSM700 transmitter CH1. If the receiver is not on the correct channel, the indicator will flash, when the receiver is on the correct channel indicator light will be solid. Press the channel button on the receiver to change to the correct channel.

Use the **GAIN** control to adjust the volume to your desired listening level. If there is no sound, please ensure the **VOLUME** on the transmitter is at a reasonable level.

OPTIMAL PERFORMANCE

For an optimal performance, please ensure the following:

- 1) the antenna is fully extended
- 2) there are no large structures/obstacles blocking the line of sight between the transmitter and the receiver.
- 3) the receivers have new batteries
- 4) the usage of the ALS700 is done in an environment of low interference (Areas with multiple FM transmissions can possibly increase interference)

SPECIFICATIONS

OVERALL ALS700 SYSTEM PERFORMANCE

Frequency Response	100Hz – 8KHz
Signal to Noise Ratio	41dB
Total Harmonic Distortion	< 0.5%
RF Carrier Frequencies	75.5MHz (Channel 1) — 75.9MHz (Channel 2)
Frequency Stability	> 0.005%
Modulation	FM \pm 75KHz max.
Operating Range	Up to 150 feet line of sight

ALSM700 TRANSMITTER

Mic Input	Connector: 1/4" Phone jack Impedance: unbalanced
Line Input	Connector: 1/4" Phone jack Impedance: 100K unbalanced
Power Output	13dBm
Controls	Power On/Off, Volume Adjust, Channel Select
Indicators	Power On LED, Signal LED, CH1 LED, CH2 LED.
Antenna	Permanently mounted telescope
Power Requirement	5V DC, regulated @200mA, Adapter provided
Dimensions	9(L) x 6.07(W) x 1.97(H) Inches
Weight	TBD

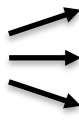
ALSR700 RECEIVER

Controls	Power On/Off, Gain Adjust, Channel Select,
Audio output	100mW
Connectors	3.5mm jack for earphone output
Earphones	Mono earbuds
Antenna	Integral with earbud cord
Indicators	CH1 LED, CH2 LED
Sensitivity	3uV for 12dB with squelch defeated Squelches at 10uV for min. 50dB S/N ratio
Mute Threshold5 – 8uV
Power Requirement	1.5V x 3 pcs. AAA size battery
Battery Life	Up to 20 hours w/alkaline battery
Dimensions	2.54(L) x 1.32(W) x 3.92(H) Inches
Weight	TBD



Product Registration Instructions

Visit: www.HamiltonBuhl.com



1. Click on Customer Support
2. Click on Product Registration Form
3. Please fill out all fields marked with * to register your products

Our mission:

Since our founding in 1993, HamiltonBuhl continues to evolve as a leader in technology products for education and industry. Our products are embraced by educators, corporate trainers, presenters, government agencies and hospitals for their daily presentation, from classroom to the boardroom.

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