

HELI X 158X[®]



OPERATION MANUAL V1.0

PARALLEL AUDIO

Please read and follow the instructions in this manual thoroughly to obtain optimum results from this unit. We also recommend that you keep this manual handy for future reference.

Safety Precautions

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety hazards.

WARNING

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

Make sure to observe the following handling precautions so that a fire or personal injury does not result from leakage or explosion of the battery.

- Do not short, disassemble, heat or put the battery into a fire.
- Never charge batteries of the type which are not rechargeable.
- Do not solder a battery directly.
- Be sure to use the specified type of battery.
- Note the correct polarity when inserting a battery in the unit.
- Avoid locations exposed to the direct sunlight, high temperature and high humidity when storing batteries.

WARNING

To prevent the electromagnetic wave from badly influencing medical equipment, make sure to switch off the units power when placing it in close proximity to the medical equipment.

CAUTION

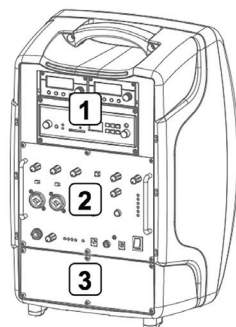
Battery discharges naturally according to a certain pattern even when not in use. For best performance and a prolonged lifespan, battery should be charged regularly after every use or every month when the system is in storage and not being used. CD player optical pickup head is a very delicate device and sensitive to humidity. Please avoid using it in high humidity areas to avoid damage.

Congratulations and thank you for purchasing this multi-functional wireless portable amplifier. To ensure a trouble-free operation, please read the manual thoroughly to fully understand its controls and functions.

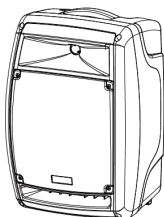
The rear panel of this portable amplifier is divided into 3 sections:

1. The Module compartment
2. The Control Unit compartment
3. The Battery compartment

The Module Compartment is user configurable and user can access the battery compartment to replace battery.



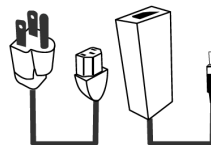
In the Box



Helix 158X amplifier



**0~4 transmitters
(handheld/beltpack)**



**Switching power supply
(plug varies from country to country)**



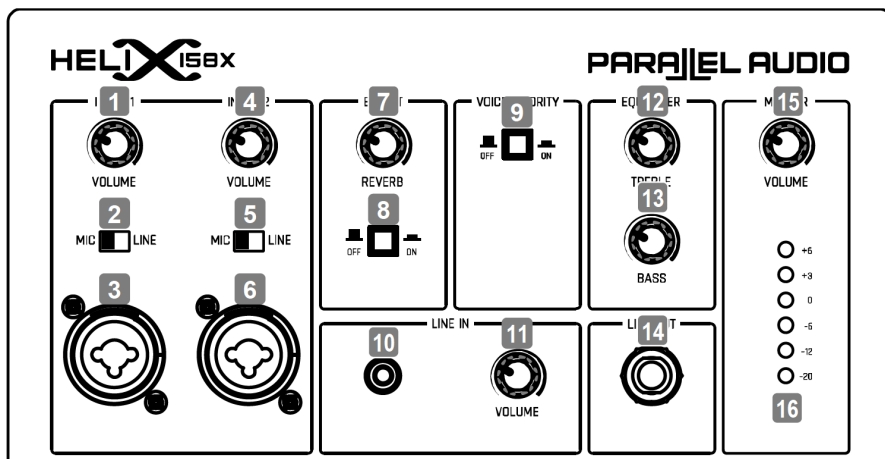
Operation manual

Note: The above specifications are subject to change without prior notice.

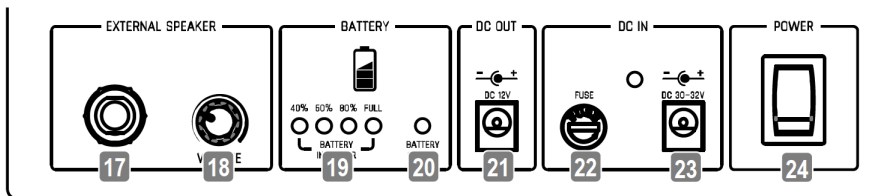
Optional Accessories

1. Weather proof dust cover
2. Single trolley bag/Dual trolley case
3. Tripod stand
4. Companion passive speaker (external speaker for Helix 158X)
5. Wired microphone

Parts and Functions



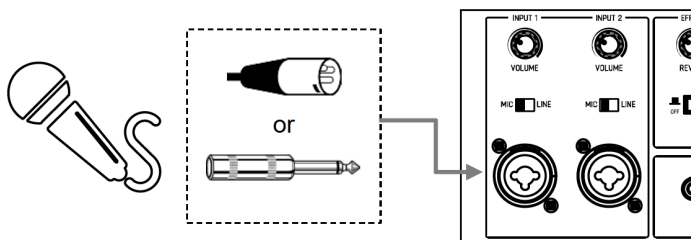
- | | |
|---|---|
| 1. Microphone/Line (1) volume control | 9. Voice priority switch |
| 2. Microphone/Line (1) level switch | 10. Line in socket (3.5mm) |
| 3. Wired microphone/Line input socket (1) | 11. Line in volume control |
| 4. Microphone/Line (2) volume control | 12. Treble tone control (for all audio) |
| 5. Microphone/Line (2) level switch | 13. Bass tone control (for all audio) |
| 6. Wired microphone/Line input socket (2) | 14. Line out socket (6.3mm) |
| 7. Reverb control | 15. Master volume control |
| 8. Reverb switch | 16. Master limiter indicator |



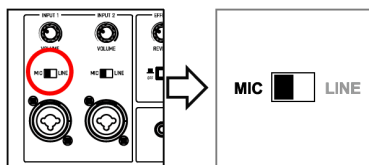
- | | |
|-------------------------------------|-------------------------------|
| 17. External speaker socket (6.3mm) | 21. DC output jack (12V) |
| 18. External speaker volume control | 22. Fuse |
| 19. Battery indicator | 23. DC input jack (30-32V/4A) |
| 20. Charging indicator | 24. Power switch |

Using the Wired Microphone

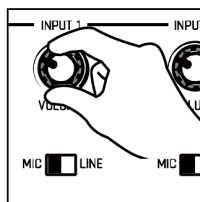
1. Plug a wired microphone with a 6.3mm or XLR connector to **INPUT 1** or **INPUT 2**.



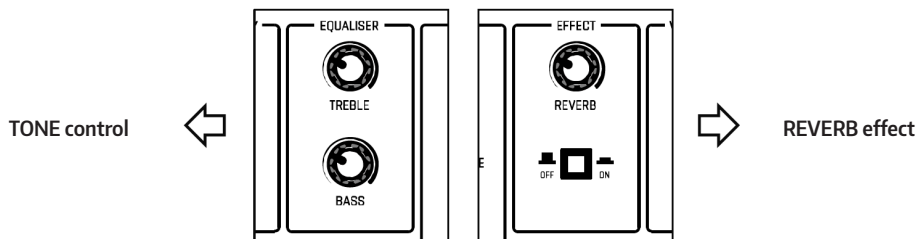
2. Slide the switch to **MIC** level.



3. Turn on master **POWER** and then adjust **MIC** volume control to desired level.

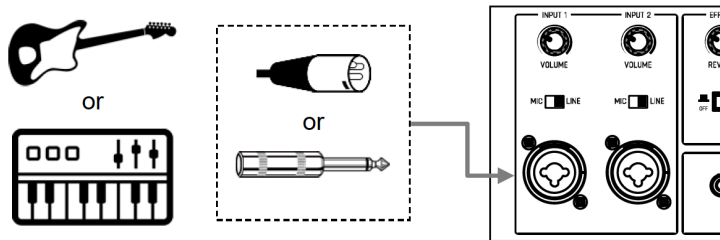


4. Bass /Treble tone and reverb levels can be adjusted on **EQUALISER** and **EFFECT** areas.

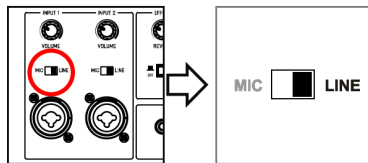


Using an Electronic Instrument

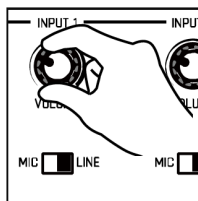
1. Plug an electronic guitar or keyboard with a 6.3mm plug or XLR connector to INPUT 1 or INPUT 2.



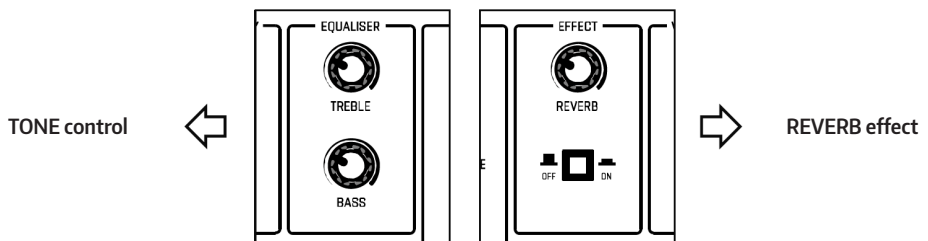
2. Slide the switch to LINE level.



3. Turn on master POWER and then adjust LINE volume control to desired level.

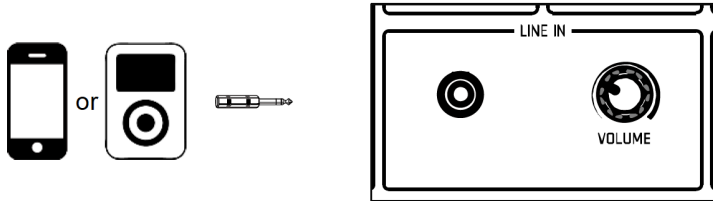


4. Bass /Treble tone and reverb levels can be adjusted on EQUALISER and EFFECT areas.

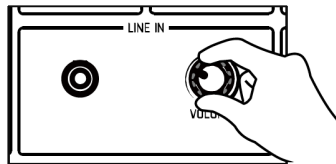


Music Audio Input – MP3/MP4

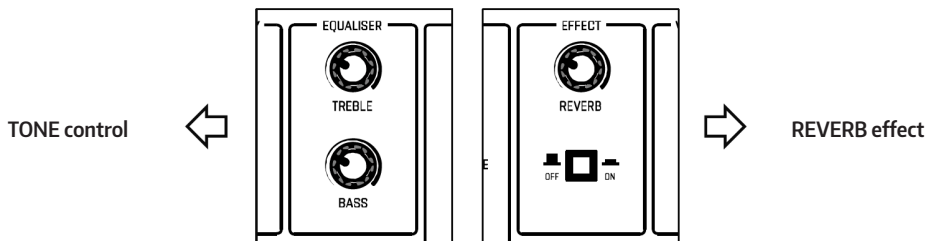
1. Plug the audio cable with a 3.5mm phone plug to the 3.5mm jack (LINE IN).



2. Turn on master **POWER** and then adjust **LINE IN** volume control to desired level.

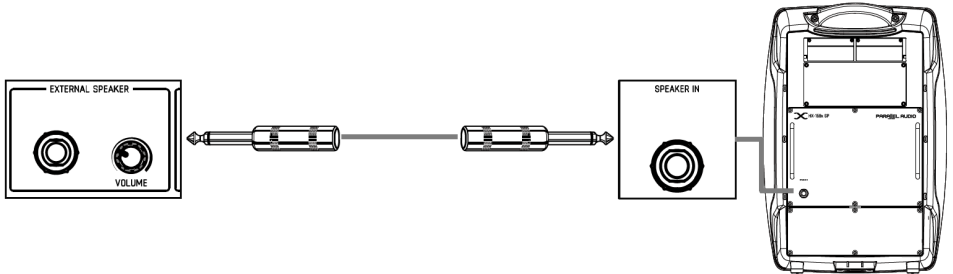


3. Bass /Treble tone and reverb levels can be adjusted on **EQUALISER** and **EFFECT** areas.

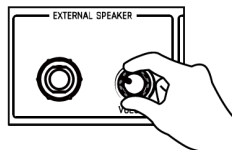


Connecting an External Speaker

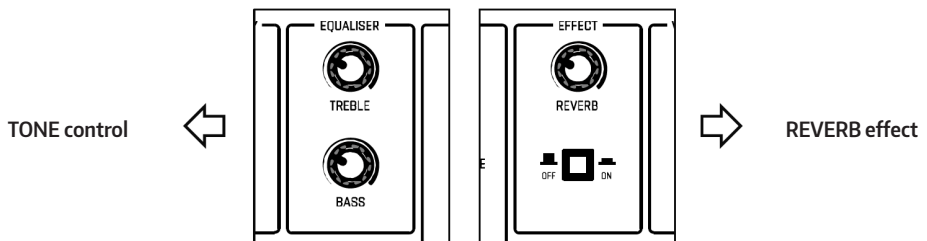
1. Plug the external speaker's audio cable with a 6.3mm connector to the **EXTERNAL SPEAKER** socket.



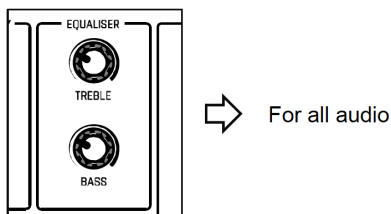
2. Turn on master **POWER** and then adjust **EXTERNAL SPEAKER** volume control to a desired level.



3. Bass /Treble tone and reverb levels can be adjusted on **EQUALISER** and **EFFECT** areas.



Tone Control

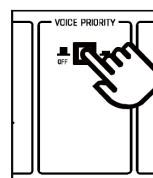


Operating Voice Priority

Voice Priority operation is only necessary when CD/USB/MP3 is playing.

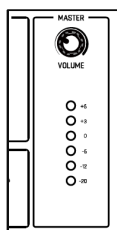
When the Voice Priority switch is ON, the ducking function will be activated. While the music is playing, voice input from either a Wired or Wireless Microphone will temporarily override and lower the volume of the background music and speech will be heard more clearly.

Background music will return to its original setting when no audio is detected from the microphone for a few seconds.



Please Note: If the microphone is used within close proximity of the Stage Man speaker or other high level music playback the Voice Priority feature may be activated and lower the music level. It is recommended that if the microphone is not required whilst music is being played to switch off or mute the microphone.

Limiter Function

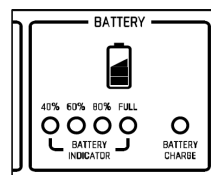


There's an interior anti-overload circuit to protect the amplifier from being damaged due to over volume output, this design will automatically lower the output when it goes over the limit.

Charging the Battery

This amplifier uses either two lead-acid batteries or one lithium battery. The battery power is levelled from 40%, 60%, 80% and FULL. If the LED stays at 40%, the battery might not be sustainable for long operation.

- **During recharging:** LED flashes RED
- **Fully charged:** LED turns GREEN
- **Wrong or no battery detected:** LED turns YELLOW



PORTABLE PA SYSTEM BATTERY CARE

Congratulations on the purchase of your Parallel Audio portable PA system.

**To maximise the life of the built in, re-chargeable batteries in this unit
please follow these instructions:**

1. Charge unit for 10 hours before first use.
2. After PA has been used for a period of time it may naturally shut down as the batteries become flat and require recharging. Do not continually reset the on/off switch as this will cause permanent damage to the batteries. Re-charge PA for minimum 10 hours ASAP!
3. Do not store the portable PA system with discharged batteries (eg. Over school holidays, etc). Always make sure the batteries are fully recharged before leaving for school holidays or extended periods and then recharge fully once again before use of the portable PA. If batteries have been fully drained, recharge as soon as possible!
4. The PA system may be recharged even after only a short usage; batteries do not need to be completely flat before recharging – they have no memory effect.
5. To prolong battery life, always switch the PA off when not in use.
6. The batteries naturally discharge even without use of the PA, like a car battery! For best results and in order to maximise the life span of the batteries, recharge the portable PA every month, even when it has not been used.
7. We do not recommend leaving the PA on charge for more than 24 hours.
8. The battery manufacturer warrants the batteries for only 3 months from original purchase date. Damage to batteries after this time will not be covered by warranty.
9. The average lifespan of the batteries is around 1 to 2 years. The user is advised that a change of batteries may be required within this time.

PARALLEL AUDIO WARRANTY INFORMATION – 5 Year Warranty Term

Consumer Guarantees

When you purchase a NAS distributed product, you have the peace of mind in knowing that your product is covered by the NAS warranty. The NAS warranty is provided by:

In Australia: National Audio Systems Pty Ltd, ABN 50 085 679 894 ['NAS'], 127 Merrindale Drive, Croydon, Victoria 3136.

In New Zealand: NAS Solutions Limited, NZBN 9429046800992 ['NAS'], 7F Douglas Alexander Parade, Rosedale, Auckland 0632.

The Australian Consumer Law protects consumers by giving them certain guaranteed rights when they buy goods and services. Rights guaranteed under the Australian Consumer Law include;

- The goods are of acceptable quality;
- The goods match their description or any sample or demonstration model;
- The goods are fit for any represented purpose or purpose which the consumer has made known;
- Repairs and spare parts are reasonably available (unless notice has been provided that repairs or spare parts would not be available); and
- The services are carried out with reasonable care and skill and are completed within a reasonable time

These rights are called 'Consumer Guarantees' and apply automatically whenever goods or services are supplied to a consumer. These Consumer Guarantees cannot be refused, changed or limited.

Consumer Guarantees have no set time limit and depending on the price and quality of goods a Consumer may be entitled to a remedy after any manufacturers' or NAS's extended warranty has expired.

The Specific Warranty Table Information outlines the warranty period, warranty type and any specific exclusions for your NAS product. NAS considers the warranty period specified in the Specific Warranty Table to be a reasonable warranty period having regard to the price, design, manufacture and expected use of the product.

General Warranty ('Warranty')

NAS products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure or if the goods fail to be of acceptable quality. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.

Subject to the terms and conditions set out below, and unless otherwise specified in the Specific Warranty Information for your NAS product, NAS agrees to repair or replace, at NAS's cost, the NAS product purchased by you in Australia or New Zealand from NAS or a NAS authorised reseller when the product does not perform substantially in accordance with the specifications during the warranty period specified in the Specific Warranty Table for your NAS product. NAS makes no other express warranties in respect of your NAS product. To make a claim under this Warranty, valid proof of purchase must be presented when the warranty claim is made, along with any other required information. The Warranty offered by NAS is not transferable.

The Warranty will only apply if your NAS product has been installed and used in accordance with NAS's recommendations as noted in the operating instructions.

Warranty Exclusions

The Warranty does not cover damage caused by;

- Misuse or abuse of the product by You;
- Incorrect operation or not following the operation instructions (as noted in the operating instructions);
- Improper installation;
- Incorrect or improper maintenance or failure to maintain the product;
- Failure to clean or improper cleaning of the product;
- Incorrect voltage or non-authorized electrical connections;
- Adverse external conditions such as incorrect or fluctuations in electrical voltage, thunderstorm activity, acts of God, acts of terrorism, damage caused by vermin, or any other circumstance beyond NAS's control;
- Exposure to excessive heat, moisture or dampness;
- Exposure to abnormally corrosive conditions;
- Alterations or modifications to the product made by You or a third party; or
- Damage as a result of accident, liquid, grit, impact or lack of proper care as indicated in the operating instructions;
- Damage resulting from the use of cleaning solvents such as acetone

The Warranty does not apply if any serial number or appliance plate on the product has been tampered with, removed or defaced.

The Warranty does not apply if the product has been repossessed under any financial agreement.

The Warranty excludes accessories and consumable goods which have ceased working through normal wear and tear such as, but not limited to, batteries, lamps and other parts classifiable as a consumable part.

The Warranty does not cover the loss of any data howsoever caused. You shall be responsible for backing up and protecting data against loss, damage or destruction.

Products presented for repair may be replaced by refurbished products of the same type rather than being repaired. Refurbished parts may be used to repair the products. Replacement of the product or a part does not extend or restart the Warranty Term.

The product will be at the owner's risk whilst in transit to and from all NAS authorised service centres, unless transported by NAS or its authorised representatives.

NAS and its authorised service centres may seek reimbursement of any costs incurred by them when the product is found to be in good working order.

The cost of claiming under this warranty, including return of any product to NAS is to be borne by the consumer.

The Warranty excludes removal or reinstallation costs.

*** All Parallel Audio products come with a 5 year warranty term, excluding Parallel Audio batteries and CD players (see below).**

Parallel Audio Limited Battery and CD Player Warranty: Batteries and CD players fitted to all Parallel Audio portable PA products carry a 3 months warranty.

For further information and warranty claims, refer to our **Support** page at www.nas.solutions.