


Live-100 SERIES
WIRELESS AUDIO SYSTEM

**UHF 100-Frequency
2-Way Synchronising
Diversity Receiver**




Performer-100 SERIES
WIRELESS AUDIO SYSTEM

**UHF 100-Frequency
2-Way Synchronising
True Diversity Receiver**



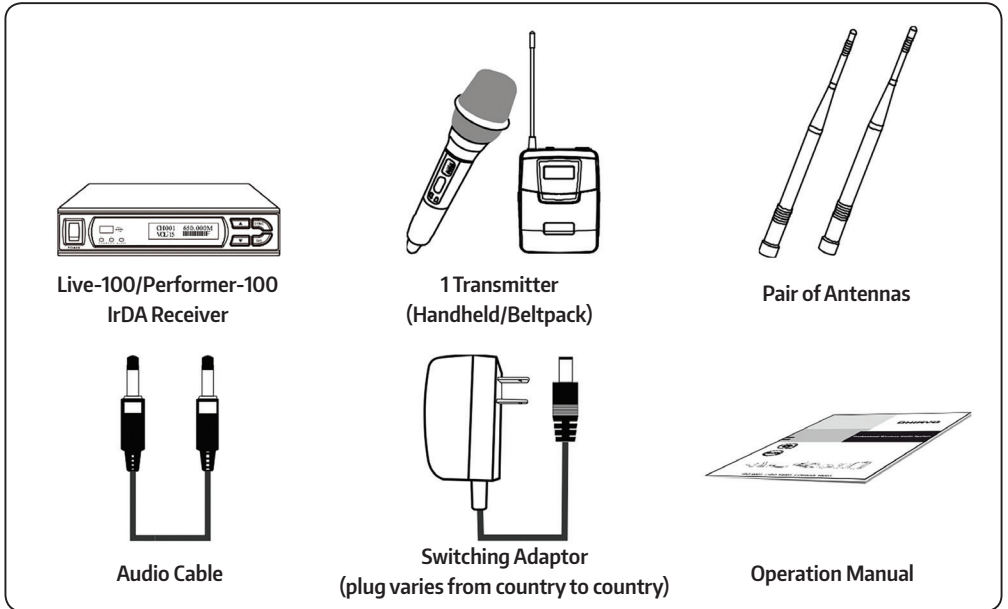
OPERATION MANUAL V1.0

PARALLEL AUDIO®

Thank you for purchasing this wireless microphone system.

Please take a few moments to read this operating manual to gain a thorough understanding of the function and operation of both transmitter and receiver.

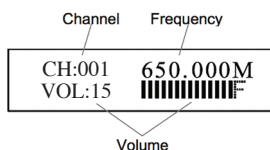
In the Box



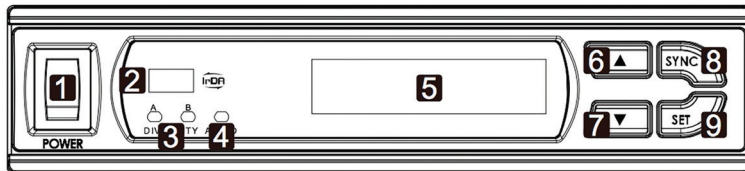
Note: The above specifications are subject to change without prior notice.

Important

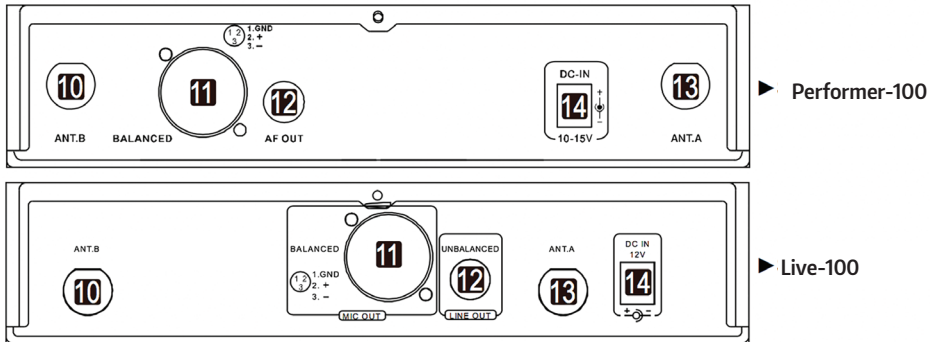
1. Please make sure that the output DC voltage range of the switching power covers that specified by the receiver before turning it on.
2. The receiver and transmitter must be the same frequency.
3. The antenna diversity indicator will flash to denote RF signal received after turning on the transmitter.
4. While speaking to the transmitter, the audio signal indicator will flash to denote signal received.



Parts and Functions



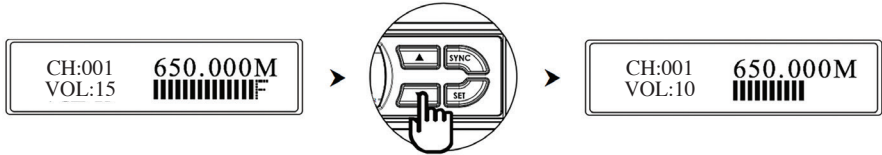
- | | |
|---------------------------|--------------------------------|
| 1. Power switch | 6. UP button |
| 2. IR sensor area | 7. DOWN button |
| 3. Diversity indicator | 8. IrDA synchronisation button |
| 4. Audio signal indicator | 9. SET button |
| 5. LCD display | |



- | | |
|-----------------------------|----------------------------|
| 10. Antenna B socket (TNC) | 13. Antenna A socket (TNC) |
| 11. Balanced audio output | 14. DC in |
| 12. Unbalanced audio output | |

Volume Adjusting

The setting can be made right on the homepage.



After the setting is made, wait 5 seconds to store the setting.

Channel Setting

For an interference-free operation, a cleaner channel might be necessary if the current one receives too much interference. To select a new channel:

1. Press and release **SET** button until the CHANNEL | FREQUENCY page appears.

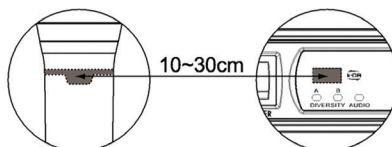


2. Press **▲**(UP) or **▼**(DOWN) button to change the channel number. The corresponding frequency will change accordingly. 5 seconds after selecting a channel, it will be automatically saved.



Channel Synchronising of the Receiver and Transmitter

Align infrared areas of the receiver and transmitter within 10~30cm.

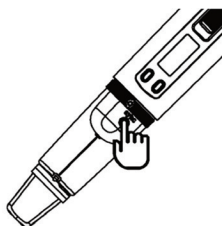


Sync Channel from Transmitter → Receiver

STEP 1: Press the synchronising button of the transmitter.

STEP 2: The transmitter's LED will glow to denote transmitting the frequency to the receiver and synchronising the channels.

STEP 3: The channel/frequency of the receiver will change and then the synchronisation is complete.



Sync Channel from Receiver → Transmitter

STEP 1: Press the SYNC button of the receiver.

STEP 2: The receiver's LCD will display IRDA DATA SEND to denote synchronising signal being sent.

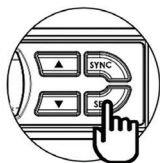
STEP 3: The channel/frequency of the transmitter will change and then the synchronisation is complete.

If it doesn't work check that you have the IR sensor panels aligned, that they are facing each other, devices are within 30cm of each other, and try again.

Channel Scanning

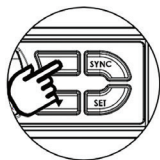
For an interference-free operation, a cleaner channel might be necessary if the current one receives too much interference. Before scanning, the transmitter must be switched off.

1. Press and release SET button until the AUTO SCAN page appears.



AUTO SCAN UP
AUTO SCAN DOWN

2. Press ▲(UP) or ▼(DOWN) button to find a clear, interference-free channel. 5 seconds after selecting a channel, it will be automatically saved.

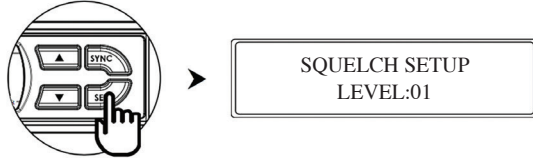


AUTO SCANNING
CHANNEL : 002

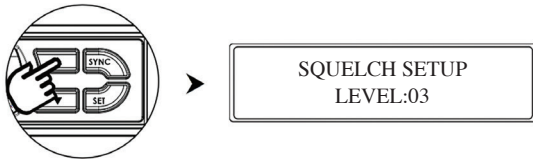
Adjusting Squelch Level

When interference is encountered try reducing the sensitivity of the receiver, thus making it less susceptible to interference.

1. Press and release **SET** button until the SQUELCH SETUP page appears.



2. Press ▲(UP) or ▼(DOWN) button to choose a new level between 1 and 10. 5 seconds after selecting a level, it will be automatically saved.

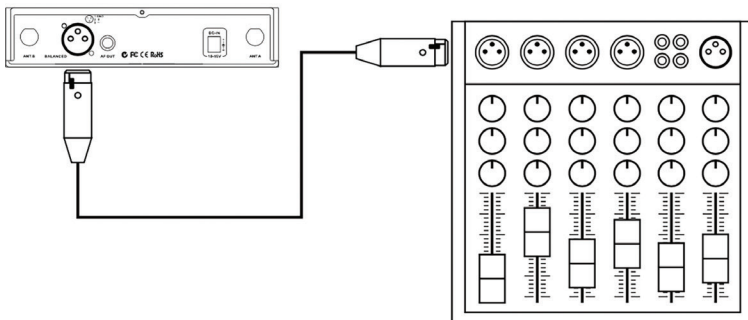


Since increasing the squelch level will also reduce the reception distance, it's recommended to choose the lowest level that can eliminate the interference.

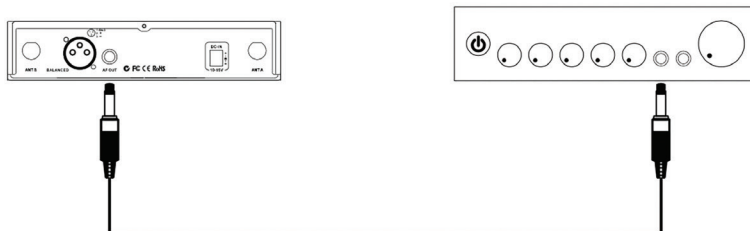
If this still does not solve the problem it means this frequency is not suitable. Adjust the squelch back to its preset level and use the scan function to locate a clear, interference-free channel.

Audio Output Connection

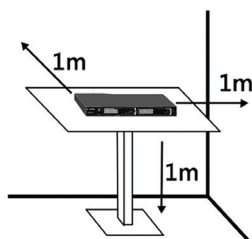
Balanced Output: XLR connector provides balanced audio output signal from this jack to the mixer/amplifier. Use an audio output cable with "XLR" or "Cannon" connector, connect one end to the balanced output jack of the receiver, and the other end to the "MIC IN" jack of the mixer/ amplifier.



Unbalanced Output: 1/4" PHONE PLUG connector provides unbalanced audio output signal from this jack to the mixer/ amplifier. Use an audio output cable with 1/4" PHONE PLUG connectors. Connect one end from the unbalanced output jack of the receiver, and the other end to the "LINE IN" jack of the mixer/ amplifier.



Receiver Installation



For best operation, the receiver should be at least 1m above the ground and 1m away from a wall or metal surface to minimise reflections. The transmitter should also be at least 1m away from a wall or metal surface to minimise reflections. The transmitter should also be at least 1m away from the receiver. Keep antennas away from noise source such as motors, automobiles, neon light and large metal objects.

Rack Mounting

The receiver can be cabinet-mounted by either one or two units. If only one receiver is to be mounted, an optional kit is available and it's installed as shown in Fig 1. If two receivers are to be mounted, they can be assembled by another kit and installed as shown in Fig 2.

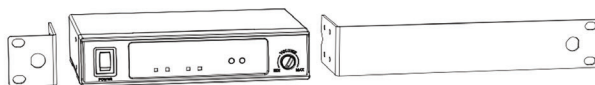


Fig 1. Rack mount of one receiver

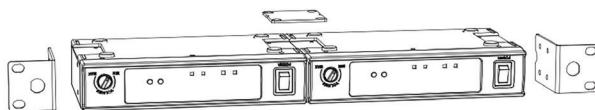


Fig 2. Rack mount of two receivers

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-authorised 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.