Artist
wireless audio system

100 UHF Wireless System

OPERATION MANUAL V1.0

PARALLEL AUDIO ®

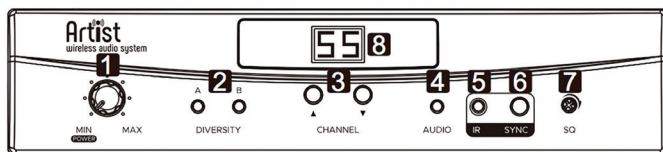Thank you for choosing the Artist wireless microphone system!

Our products are designed to last and for user friendly operation. Each system consists of:

1. 1 x Artist receiver

2. 1 x Artist handheld or 1 x Artist belt-pack transmitter

3. 1 x power supply

4. 1 x operation manual

For more details, please take a few moments to read this operating manual to have a thorough understanding of the functions and operation of both transmitter and receiver.
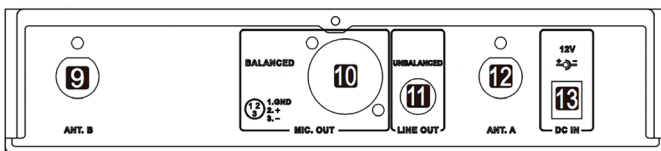
Parts and Functions

FRONT PANEL

1.	Power/Volume control	5.	IR sensor LED
2.	Diversity indicator	6.	Channel synchronisation button
3.	Channel scan buttons	7.	Squelch control
4.	Audio signal indicator	8.	Channel indicator

REAR PANEL

9.	Antenna B (fixed)	12.	Antenna A (fixed)
10.	Balanced audio output	13.	DC in
11.	Unbalanced audio output		

Adjusting Volume Level

Volume level can be adjusted by rotating the Power/volume knob (1).

Scanning & Changing the Channel

First turn on main power switch, the two 7-segment display LED (8) will show last stored frequency. For example, if channel 88 is 630.325MHz, the LED will first display 63, 03 and 25 in sequence and return to 88. When the transmitter is turned on and the receiver channel corresponds with the transmitter, either A or B diversity indicator (2) will light up to indicate that it is connected. If the A or B diversity indicators do not light up, the transmitter and receiver need to be synchronised.

Before synchronising your system, a channel scan should be performed to ensure you have clean and inference operation.

Before performing a channel scan, the transmitter must be switched off.

Press ▲ or ▼ (3) and the receiver will scan and stop at the next clean channel.

Channel Synchronising of the Receiver and Transmitter

1. To synchronise your system, hold the receiver and transmitter within 30cm of each other.
2. Align both IR sensor panels (see page 5 & 6 for IR sensor information)
3. Press the sync button (6) on the receiver. The receiver will transmit the frequency to the transmitter and synchronise the channels.

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.
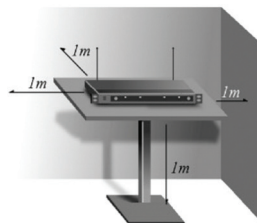
Adjusting Squelch Level

When interference is encountered try reducing the sensitivity of the receiver by turning the SQ control (7) clockwise, thus making it less susceptible to interference. If this still does not solve the problem it means this frequency is not suitable. Adjust the squelch back to where it was and use the scan function to locate a clear channel.

Please be aware that setting the squelch setting too high will reduce the receiving distance of the system.

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 as well as large metal objects.
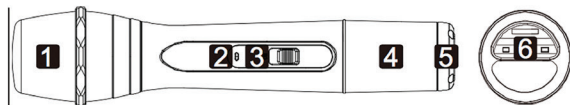
Audio Output Connection

There are two audio outputs on the back of the receiver, Mic-level balanced (10) and Line-level unbalanced (11). Use shielded audio cable for the connection between the receiver and the amplifier/mixer. If the amplifier/mixer has a 1/4''(6.3mm) phone jack, connect a cable from the 1/4''(6.3mm) unbalanced audio output from the receiver to the amplifier/mixer. If the amplifier/mixer has an XLR input, connect a cable from the balanced XLR audio output from the receiver to the amplifier/mixer input.

HANDHELD TRANSMITTER

Parts and Functions

1. Cartridge
2. Battery weak/power LED
3. Power switch

4. Battery cover
5. Bottom cap
6. IR sensor area

Battery Installation and Indicator

This transmitter requires 2 x AA batteries to operate.

To install, remove the battery cover (4) and slide the batteries into the battery compartment & replace the battery cover.

Note: Batteries contain a corrosive acid that may leak and damage the transmitter when stored for a long period. Batteries should be removed from the transmitter before storing without use for more than 4 weeks.

When the transmitter is switched ON, a red LED (2) will blink once to indicate the batteries installed are in good condition. **If the LED remains illuminated the batteries have expired and require replacement.**

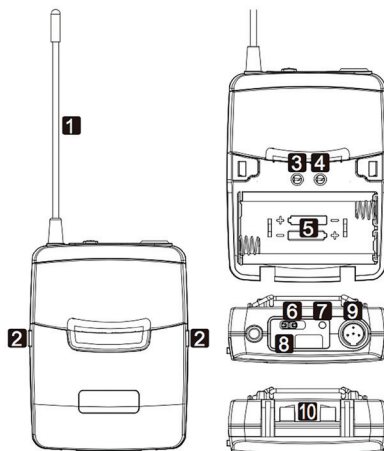**Channel Synchronising of the Receiver and Transmitter**

1. To synchronise your system, hold the receiver and transmitter within 30cm of each other.
2. Align both IR sensor panels (see page 5 & 6 for IR sensor information)
3. Press the sync button (6) on the receiver. The receiver will transmit the frequency to the transmitter and synchronise the channels.

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.

BELTPACK TRANSMITTER

Parts and Functions

1. Antenna
2. Cover release button
3. Gain control (GT, high impedance)
4. Gain control (MT, low impedance)
5. Battery compartment
6. Power switch
7. Power/battery weak indicator
8. IR sensor area
9. (Lavalier microphone) Mini XLR connector
10. Charging contacts

Battery Installation and Indicator

This beltpack requires 2 x AA batteries to operate.

To install, open the battery cover using the cover release buttons (2) and insert the batteries into the battery compartment (5).

Note: Batteries contain a corrosive acid that may leak and damage the body-pack when stored for a long period. Batteries should be removed from the body-pack before storing without use for more than 4 weeks.

When the transmitter is switched ON, the battery power LED (7) will blink once to indicate the batteries installed are in good condition. **If the LED remains illuminated the batteries have expired and require replacement.**
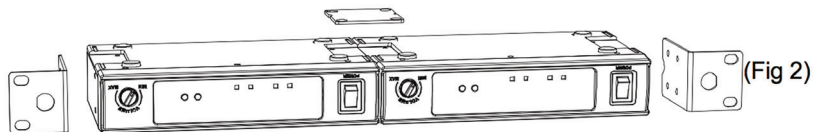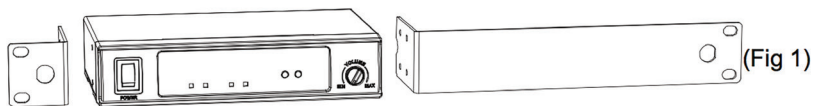
Gain Setting

Please use the attached small screw driver to set the GAIN level. Gain control is an adjustable design that enables user to set different output levels. GT (3) is for the use of instrument with high impedance, such as guitar while MT (4) is for the use of low impedance such as lavalier or headset microphone.

1. To achieve successful synchronisation hold the receiver and transmitter within 30cm of each other.
2. Align both IR sensor panels.
3. Press the sync button on the receiver and the receiver will transmit the frequency to the transmitter and synchronise the channels.

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.

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)

(Fig 2)

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**.