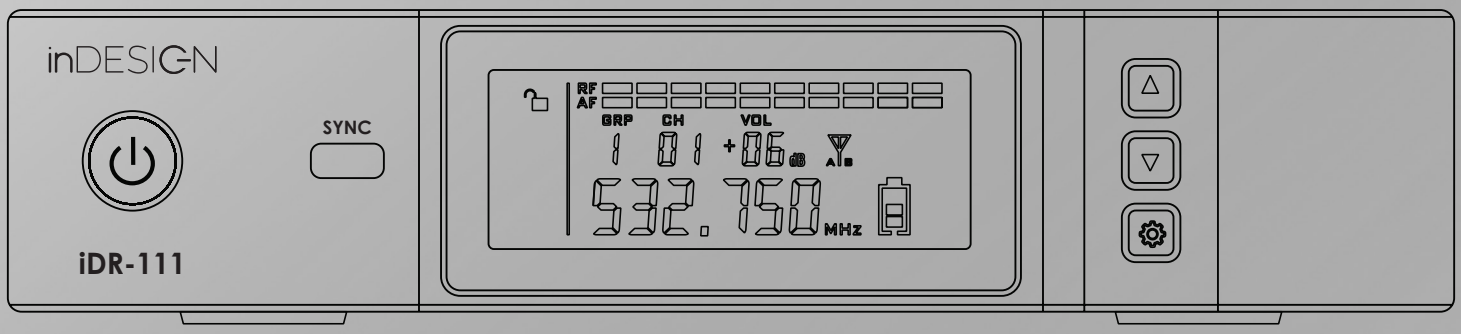
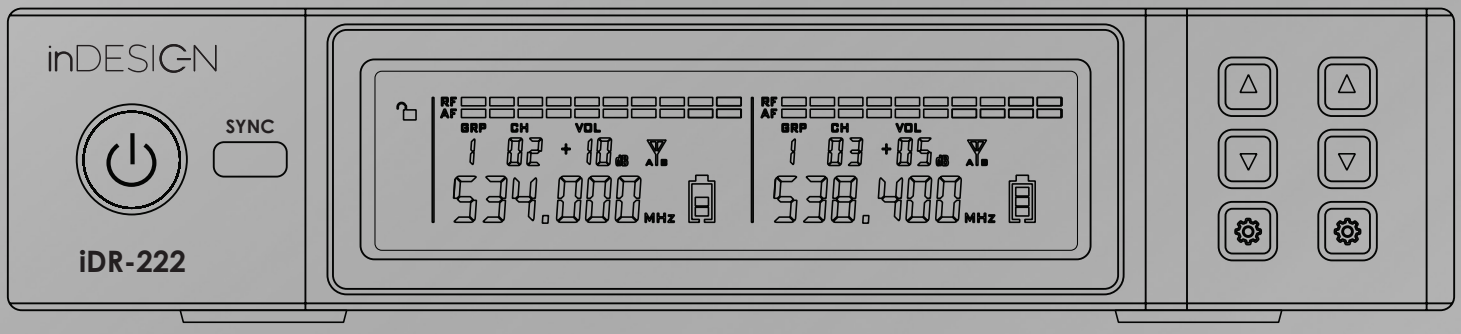
INSTALLATION & OPERATION MANUAL

inDESIGN

iDR-111
iDR-222
iDT-HM1
iDT-BP1

WIRELESS MICROPHONE SYSTEMS





CONTENTS

INTRODUCTION

Wireless Microphone Systems

FEATURES

- Auto frequency scanning
- Infrared Transmitter & Receiver Synchronisation
- 50MHz Wideband FM modulation
- Antenna diversity
- Onboard EQ
- Balanced and Unbalanced Outputs
- Rackmount kit included

Electrical and Safety Warnings

CAUTION

THESE SERVICE INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.

The lightening flash with arrowhead symbol, with an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

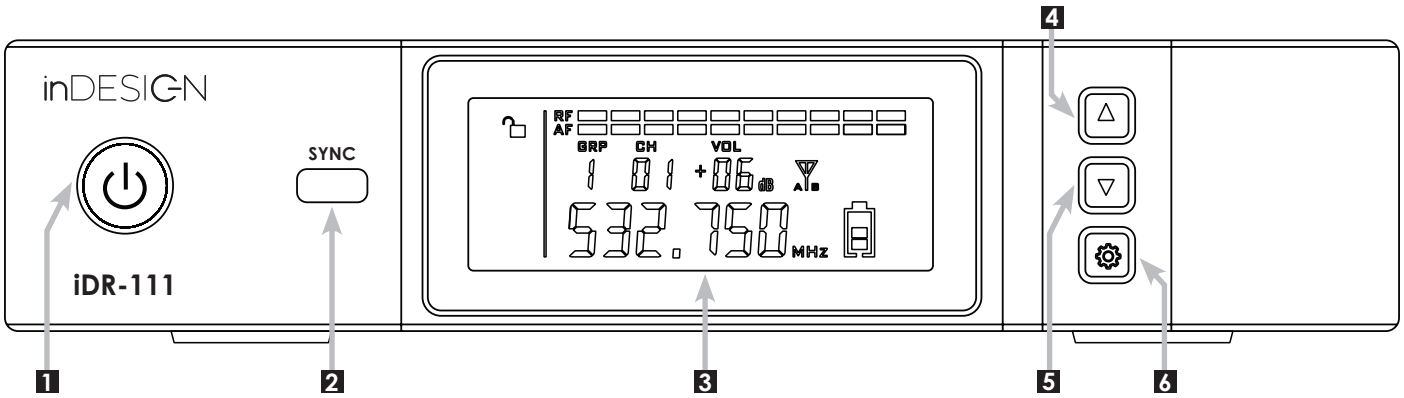
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

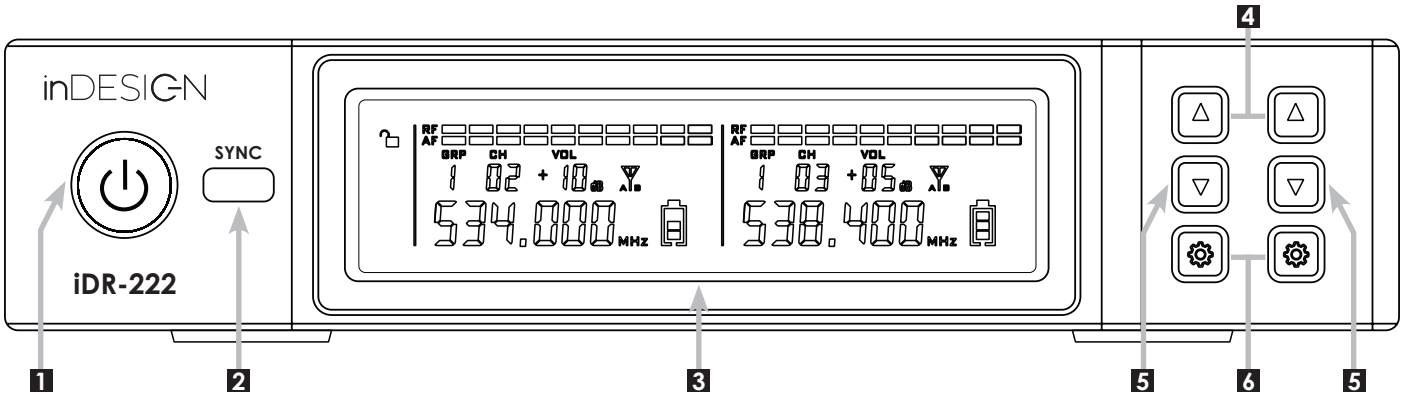
IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. To prevent injury please refer to these instructions for electrical and safety information before installing or operating the apparatus.
6. No naked flame sources such as lighted candles should be placed on the apparatus.
7. Operation of this apparatus is recommended for moderate climates only.
8. This apparatus must not be exposed to dripping or splashing liquid.
   No object filled with liquid, such as a vase, should be placed on the apparatus.
9. Clean only with a dry cloth.
10. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
11. Do not install near any heat sources such as radiators, heaters, stoves, or other apparatuses (including amplifiers) that produce heat.
12. Unplug this apparatus during lightening storms or when not in use for long periods of time.
13. ⏚ Protective Earthing Terminal:
    The apparatus should be connected to a mains socket outlet with a protective earthing connection.
14. The mains plug/appliance coupler is used as a disconnect device, the disconnect device shall remain readily operable.
15. When not in use and during transportation, please take care of the power cord set, for example, tie up the power cord set with a cable tie/something similar. It should be kept away from sharp edges and the like that can cause abrasion of the power cord set. When put into use again, check that the power cord set is not damaged. If any damage is found, have the unit checked by a qualified service person to replace the power cord set specified by the manufacturer.
16. The terminals marked with symbol of " ⚡ " may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by a qualified service person or the use of ready-made leads or cords.
17. Only use attachments/accessories specified by the manufacturer.
18. Refer all servicing to qualified service personnel. Servicing is required if the apparatus has been damaged in any way, such as power-supply cord or plug breakage, damage due to liquid or objects falling onto the apparatus, exposure to rain or moisture, or if the apparatus does not operate normally, or has been dropped.
19. Correct Disposal of this Product:
    This marking indicates that this product should not be disposed of with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental-safe recycling.

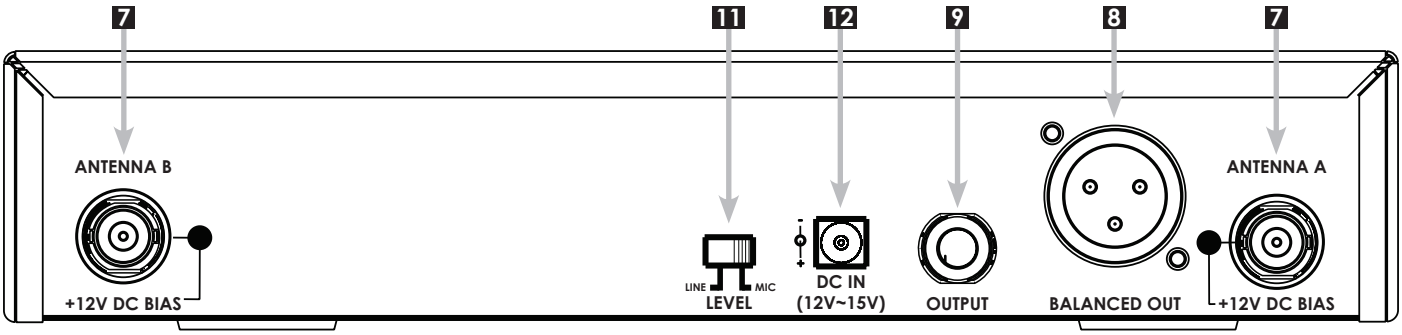
WARNING: There are no user serviceable parts inside. Refer all servicing to qualified service personnel.

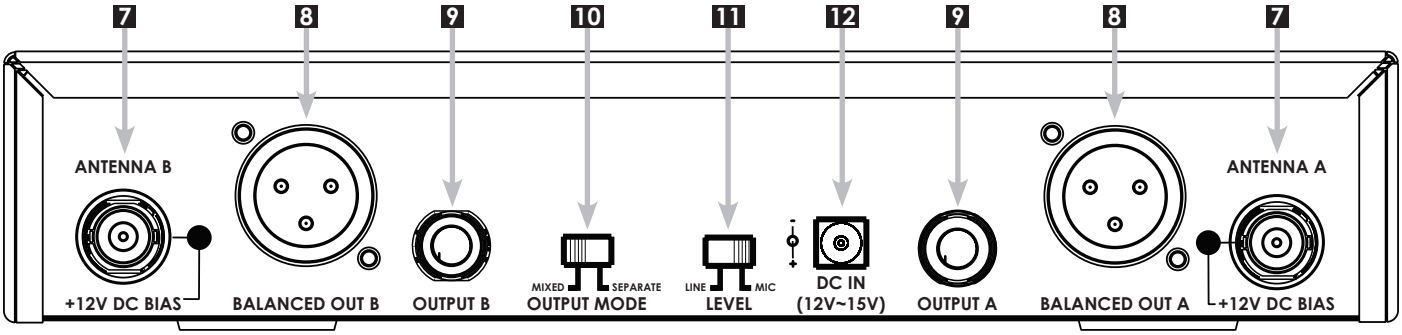
iDR-111/iDR-222 FRONT & REAR PANELS





1. Power Switch.
2. Infrared (IR) synchronisation window – Align this window with wireless transmitter IR sync window for radio frequency synchronisation.
3. LCD Display Screen.
4. Volume ▲ (+) button/menu function button.
5. Volume ▼ (-) button/menu function button.
6. SET ⚙ button – Channel infrared data transmission (SYNC) button/menu settings button.





7. A/B Antenna TNC connection ports.
8. Channel A/B XLR balanced mic/line output (pin 2 hot).
9. Channel A/B 6.35 jack unbalanced output.
10. Mix/Separate output switch (iDT-222 only).
11. Mic/Line switch (Determines available output gain for either microphone or line outputs).
12. Power input (12Vdc 1.5A).

RACKMOUNT DIAGRAM

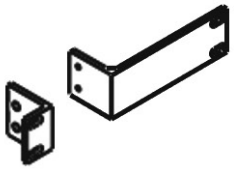


Figure 1: Single Receiver

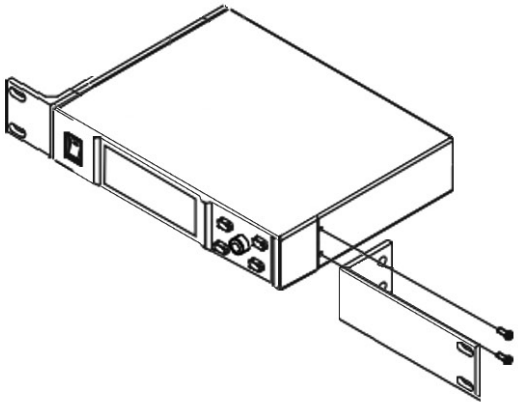
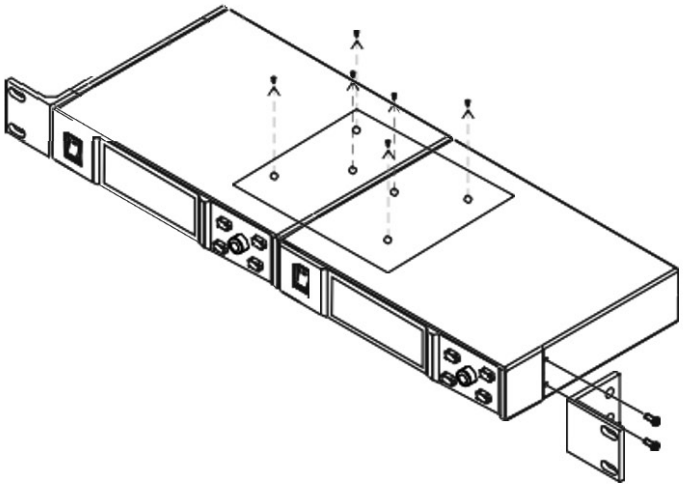


Figure 2: Dual Receivers



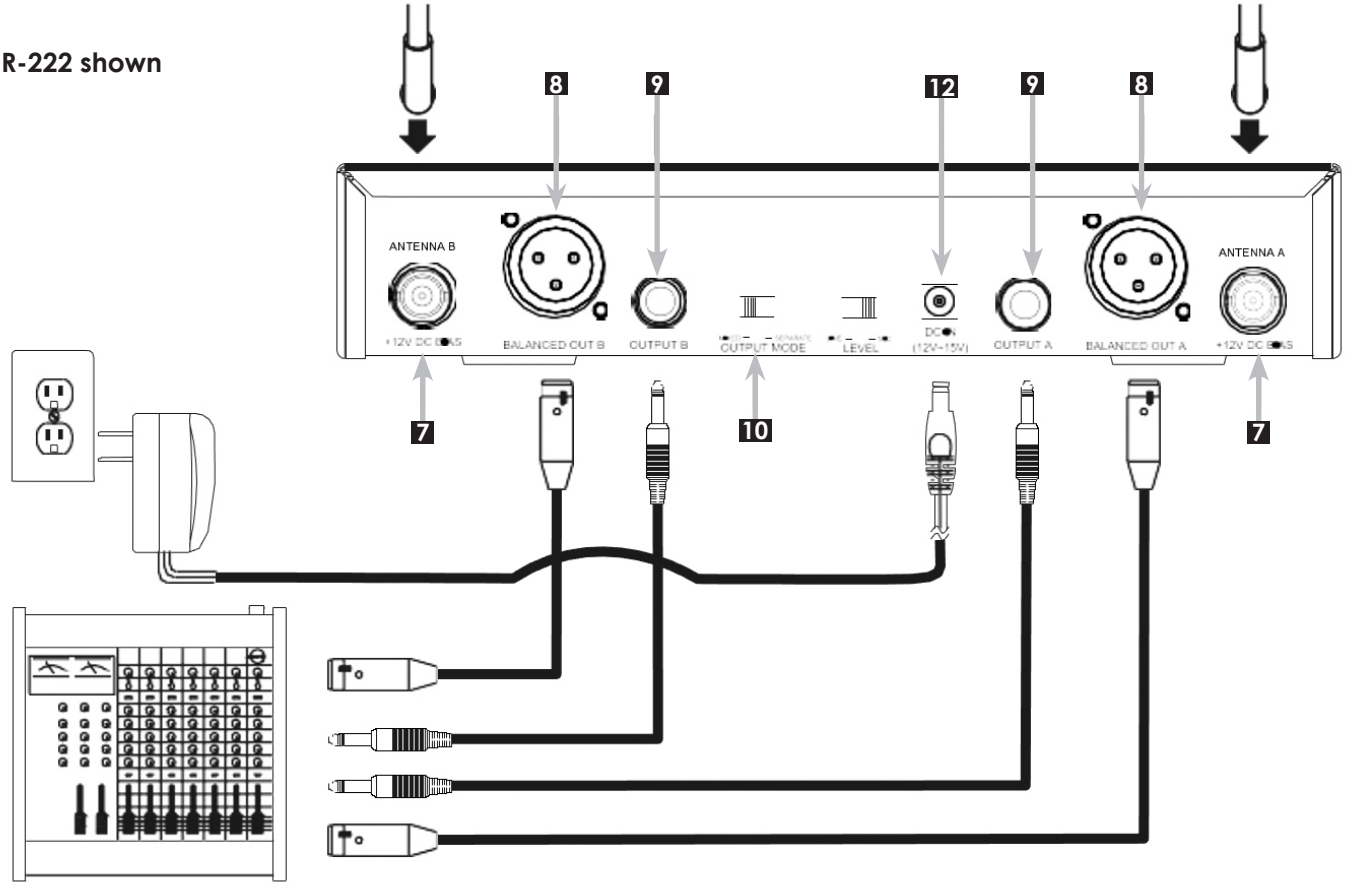
The iDR-111 & iDT-222 both ship with a rackmount kit.

Each rackmount kit is capable of rack mounting either a single iDR-111/iDR-222 or a pair of iDR-111/iDR-222 receivers.

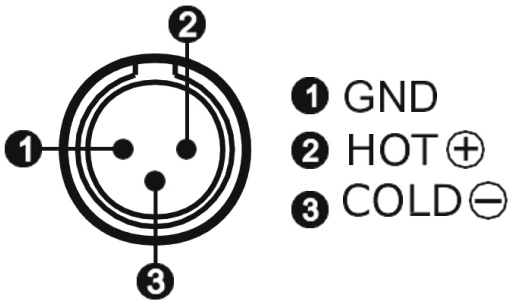
iDR-111/iDR-222 CONNECTIONS

1. Connect the 2 included whip antennas to Antenna A and B ports **(7)**.
2. Connect the AC/DC 12VDC 1.5A power supply to DC in port **(12)**.

iDR-222 shown



3. Audio Output Connections:
   A) Connect the BALANCED OUT A/B of each channel **(8)** to balanced Microphone or Line input/s with a quality balanced XLR signal cable. XLR pinout is shown below.



   B) Connect the OUTPUT A/B ports **(9)** to unbalanced Line input/s with a 6.35mm TS Phono jack.
   C) iDR-222 Dual channel receiver only – OUTPUT MODE:
   Output mode switch **(10)** allows users to mix the outputs of both receiver channels to OUTPUT B 6.35mm TS Phono socket. The balanced XLR microphone outputs will continue to output their discrete receiver channel.

ANTENNA EXTENSION

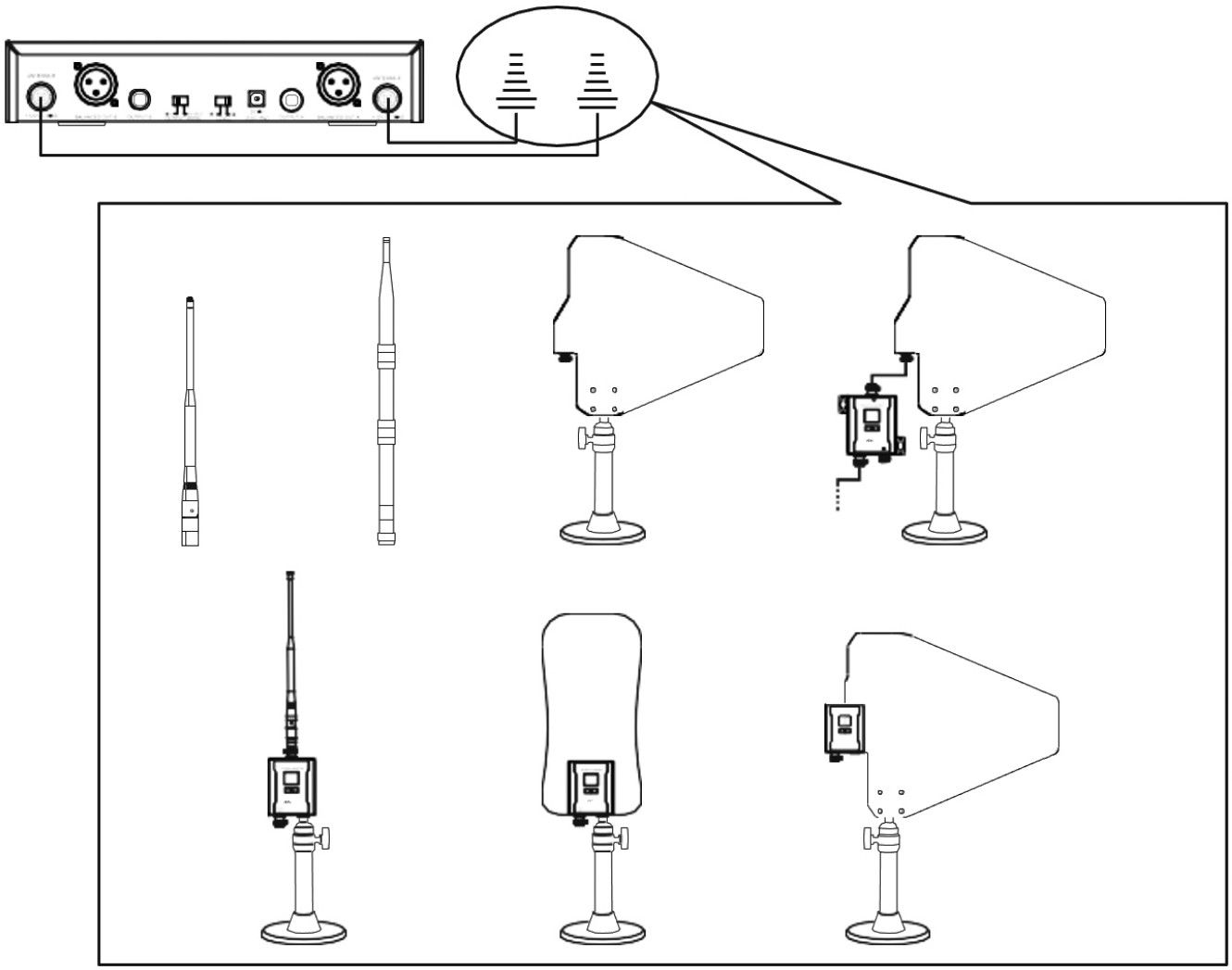
Both the iDR-111 and iDR-222 receivers are compatible with external powered and passive antenna extension products. Antenna A&B ports are designed to power inline antenna boosters and active antenna amplifiers. Each Antenna port provides 8-12v, 300ma DC power.

Passive Antenna Extension

The included whip antennas can be extended up to 5-10 metres. It is recommended to use quality 50ohm low loss coax cable and quality TNC connectors.

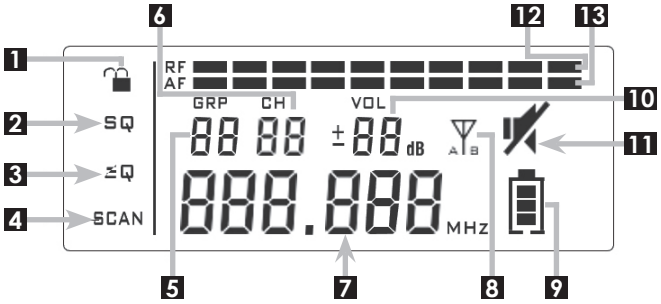
Antenna extensions over 5-10 metres require active in line boosters or active amplified antennas.

Antenna Examples



LCD DISPLAY LAYOUT & MENU OPERATION

iDR-111/iDR-222 LCD Display



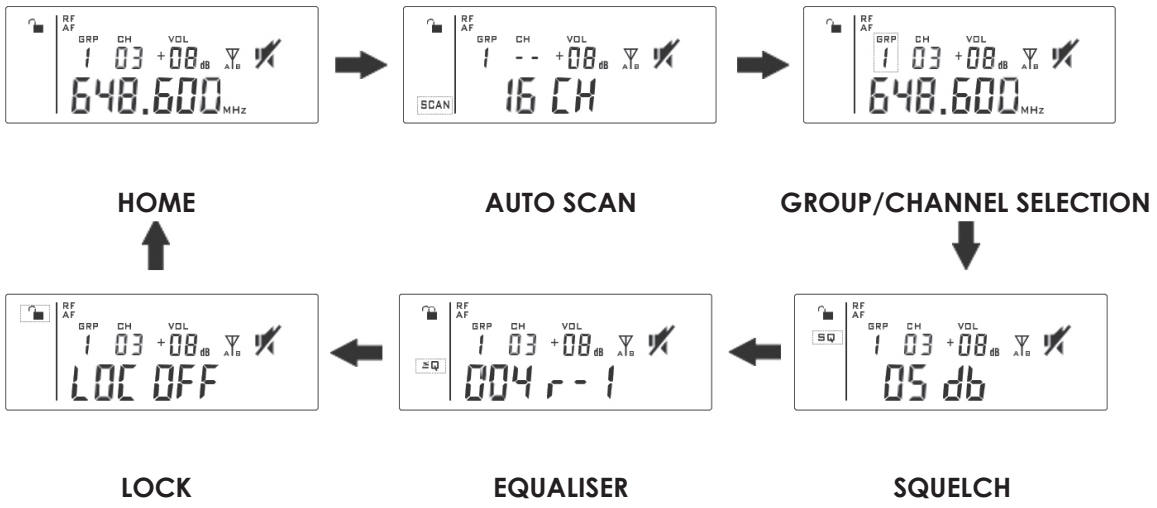
1. Receiver LOCK symbol.
2. SQUELCH symbol.
3. Equaliser EQ symbol.
4. Automatic frequency SCAN symbol.
5. Frequency group information.
6. Frequency channel information.
7. Channel frequency information.
8. Antenna A/B information.
9. Transmitter battery level indicator.
10. Receiver volume output information.
11. Receiver channel audio mute indicator.
12. RF signal display.
13. Audio signal display.

iDR-111/iDR-222 Menu Operation

To enter menu functions, press the SET ⚙ button twice.

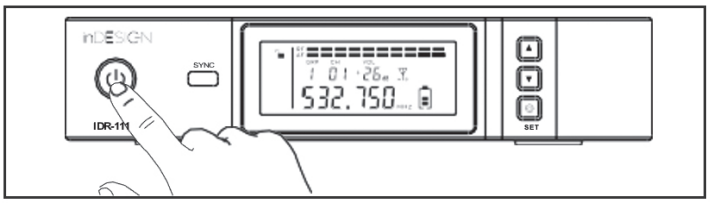
Menu function order is shown in the figure below.

Pressing the SET ⚙ button once while in menu functions mode will scroll into the next menu function as illustrated below.

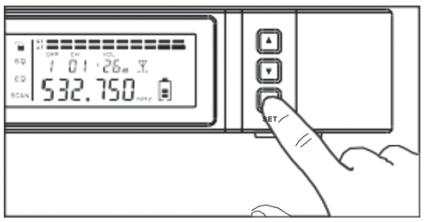


iDR-111/iDR-222 FUNCTIONS OPERATION

Power ON/OFF



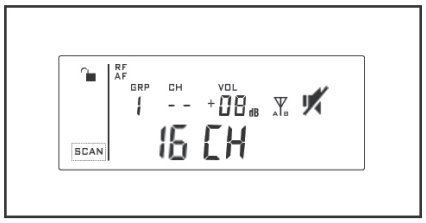
Functions Menu



To enter menu functions, press the SET ⚙ button twice.

Pressing the set button once while in menu functions mode will scroll into the next menu function as illustrated.

Auto Scan



This function performs an interference-free channel search. The receiver has 8 available channel groups.

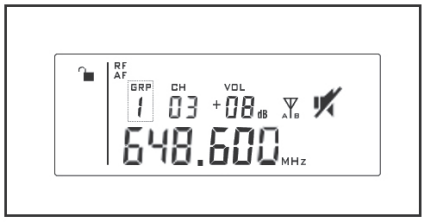
The scan function automatically determines the best interference free channel available in the immediate area. If your system is mobile it is recommended to use the auto scan function each time you use your system in a new location.

To enter the SCAN mode, press the SET ⚙ button twice. The SCAN symbol on the LCD display should now be flashing.

When the SCAN symbol is flashing on the LCD you are in SCAN mode. Use the UP ▲/DOWN ▼ buttons to choose the desired Group (1-8). Push the SET ⚙ button once and the receiver channel will enter automatic scanning mode. After this has completed (approx. 1-5s) the scanned frequency will flash on the LCD. Press the SET ⚙ button 5 times to reach the home screen and confirm the setting change.

After the auto scan function is complete you will need to pair the receiver channel and the transmitter. See **Receiver & Transmitter Pairing** section.

Group/Channel Selection

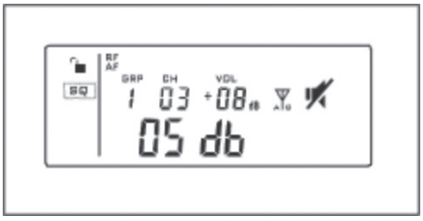


This mode allows users to manually set the desired group and frequency channel of the wireless system.

To enter this mode from the home screen, press the SET ⚙ button twice then one more time. The GRP number will flash on the LCD when in Group/Channel Selection mode. Use the UP ▲ /DOWN ▼ buttons to select the desired group (1-8 or U group). After your selection has been made push the SET ⚙ button once. The CH number will now flash. Use the UP ▲ /DOWN ▼ buttons to select the desired channel number. Press the SET ⚙ button five times to return to the home screen and confirm settings.

"U" Group allows users to choose a specified frequency rather than a predetermined Group and Channel frequency allocation. **Refer to pages 19-20 for the frequency tables.** Note this feature is recommended only for advanced users.

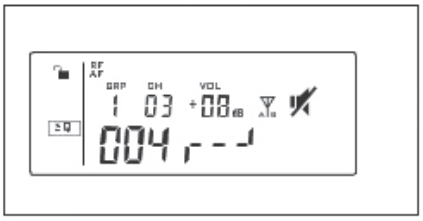
Squelch



In most cases the default SQUELCH setting of 0.5dB is sufficient and should not be adjusted. However, if users experience RF noise interference and disruption to the audio signal users can adjust the SQUELCH to help reduce the interference. Users can choose between 00 – 25dB of squelch. Adjusting SQUELCH would be a last resort in resolving an RF noise interference problem.

It's recommended to try a different group or channel or use the AUTO scan function to find an interference free channel.

Equaliser



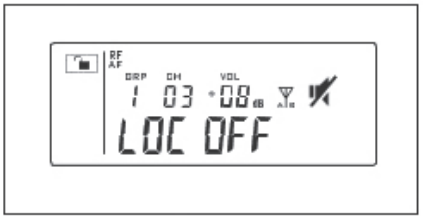
The equaliser provides users with 4 different equaliser options. The equaliser can assist in attenuating problem frequency bands should there be no other equaliser options further down the signal chain.

To enter EQUALISER mode press the SET button twice, then 4 more times. Once in the correct mode the EQ symbol will flash in the LCD display. Use the UP ▲ /DOWN ▼ buttons to select the desired EQUALISER curve (001-004).

EQ Settings

001 FLAT	Signal is not altered (default setting).
002 LOW CUT	Low frequency is rolled off. Use when there are plosives or low frequency rumbles.
003 HIGH BOOST	High frequency boost. Use if there are speech intelligibility problems.
004 LOW CUT & HIGH BOOST	Low frequencies are rolled off and high frequencies are boosted. Use when plosives or rumbles and speech intelligibility problems are present.

Lock



The LOCK when set to ON prevents users from accessing the functions menu. The only receiver function that remains active when the LOCK is ON is the receiver output volume control.

To enable the LOCK function, press the SET ⚙ button 2 times, followed by another 5 single presses. The LCD will flash LOC OFF. To enable the LOCK use the UP ▲ /DOWN ▼ buttons to change the setting to LOC ON. To confirm the setting and exit the functions menu press the SET ⚙ button once.

To disable the LOCK function, press the SET ⚙ button twice. LOC ON will be displayed on the LCD screen. Press the DOWN ▼ button to disable the lock button. The LCD display will show LOC OFF. Press the SET ⚙ button 2 times to confirm the setting and exit the functions menu.

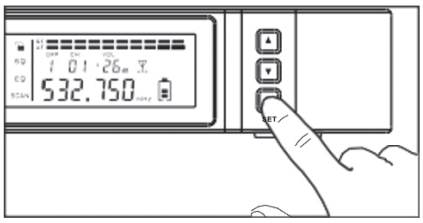
RECEIVER & TRANSMITTER PAIRING

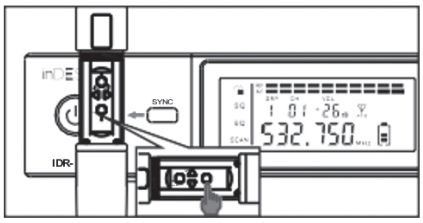
Press the SET ⚙ button once to preform transmitter and receiver infrared frequency sync and paring.

Ensure the IR sync window of your transmitter is adjacent to the IR sync window on the receiver before pressing the SET ⚙ button. Ensure both the transmitter and receiver are powered on.

When in pairing mode the receiver will display “Ir” on the LCD display.

When the pairing has been completed the receiver will return to the home screen automatically. Your wireless system is now paired and ready for use.





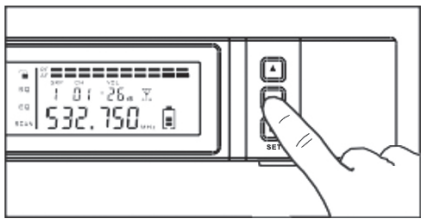
RECEIVER VOLUME ADJUSTMENT

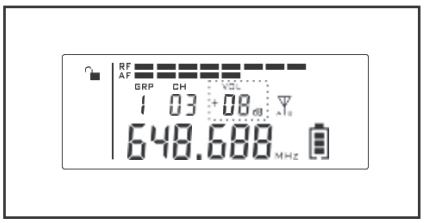
Press the volume UP ▲ or DOWN ▼ button to adjust the receiver audio output volume.

The MIC/LINE switch located on the rear panel allows users to choose the output signal gain structure.

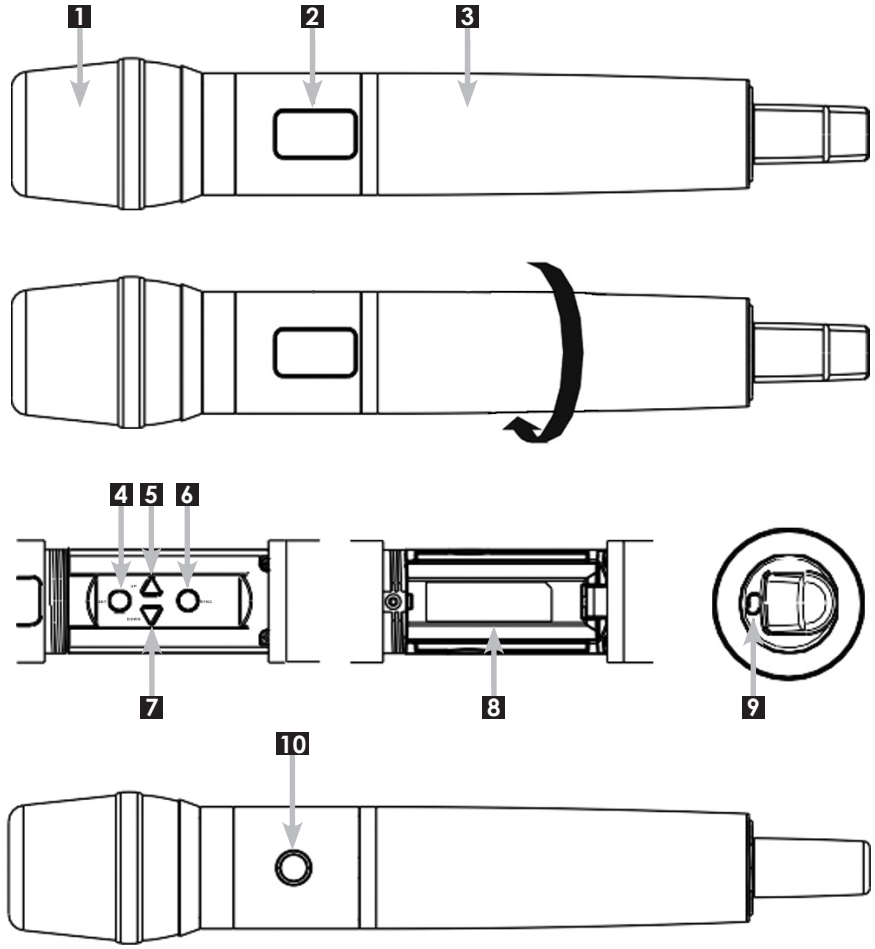
MIC output allows max Volume output of +6dB.

LINE output allows max Volume output of +18dB.



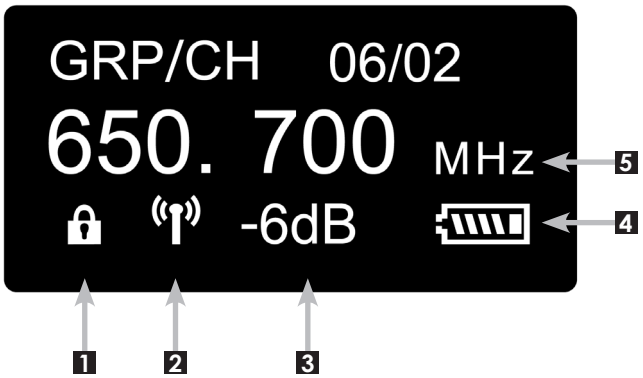


iDT-HM1 CONTROLS



1. Microphone Capsule.
2. LCD display screen.
3. Grip handle.
4. SET button. Press button to scroll through function menu.
5. Up button. Adjust menu items.
6. Sync window. Align with receiver sync window to Synchronise frequencies.
7. Down button.
8. Battery cover and compartment.
9. Power button. Hold 2 seconds to power on/off.
10. MUTE button – Press button to mute audio transmission to receiver. When muted the button will light up. The LCD will also show "MUTE" status.

iDT-HM1 LCD DISPLAY



1. Lock ON/OFF indicator.
2. RF transmission signal High/Low indicator (Low 3mW High 10mW).
3. Microphone capsule sensitivity (-6 dB to +6 dB).
4. Battery indicator.
5. Frequency display.

iDT-HM1 FUNCTIONS MENU OPERATION

Press the SET button once to enter functions menu.

Function menu settings are changed by pressing the UP and DOWN buttons. To scroll to the next function, press the SET button once.

To Confirm an adjusted setting and exit the functions menu press the SET button.

Function – Microphone Capsule sensitivity. (-6dB / +6dB)

This function allows users to adjust the level sensitivity of the microphone capsule. For best operation adjust the capsule sensitivity using the UP or DOWN buttons to achieve the highest audio output before distortion.

Function - Transmitter RF output signal adjustment

This function allows the user to choose between High (10mW) and Low (3mW) RF transmitter signal strength. Use the UP and DOWN buttons to select High or Low.

For distances of 20-40 metres between the transmitter and receiver, it is recommended to set the transmission strength to High (10mW).

Set the RF transmission strength to Low (3mW) if operating distance between the transmitter and receiver is under 20 metres. If users experience RF interruptions or audio dropouts change the transmission setting to High.

Battery life of the transmitter is dependent on the transmitter High and Low settings. On High users can expect approx. 8 hours of operation. With the transmitter set on Low users can expect approx. 10 hours of operation.

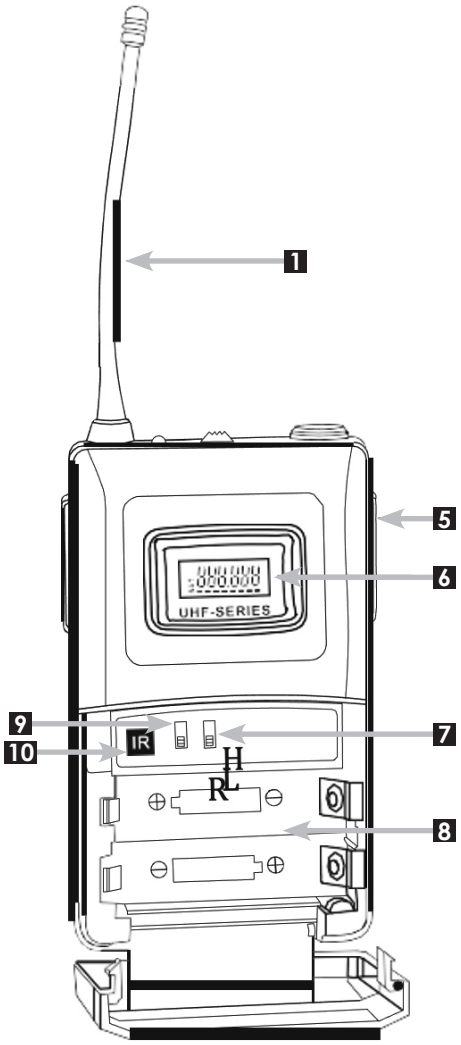
Function - Lock

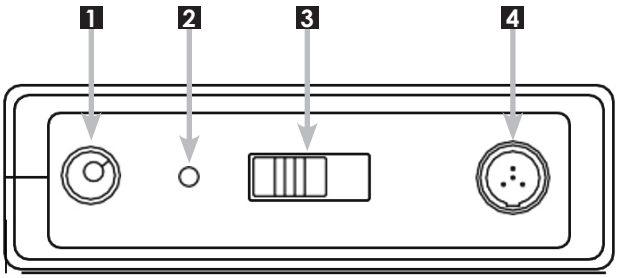
The lock functions prevents users from adjusting any microphone settings including the MUTE function except for the power ON/OFF button.

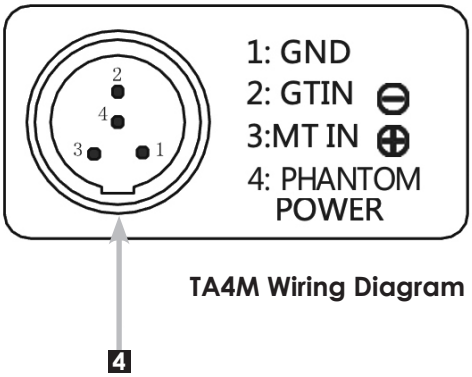
To lock the transmitter, press the SET button until the lock symbol flashes. Use the UP button to change the symbol to locked. Press the set button again to confirm and exit the functions menu.

To unlock the transmitter, press the SET then DOWN Button and the unlock symbol will appear. Press the SET button again to confirm and exit the functions menu.

iDT-BP1 CONTROLS







TA4M Wiring Diagram

1. RF antenna.
2. Low battery indicator.
3. ON/OFF switch.
4. TA4M microphone socket.
5. Transmitter belt clip.
6. LCD display.
7. Beltpack input High/Low gain switch.
8. Battery compartment (use 2 x AA Alkaline).
9. RF transmit power (Low 3mW/High 10mW).
10. Infrared (IR) synchronisation window. Align this window with wireless transmitter IR sync window for radio frequency synchronisation.

Function – Transmitter RF output signal adjustment

This function allows the user to choose between High (10mW) and Low (3mW) RF transmitter signal strength.

For distances of 20-40 metres between the transmitter and receiver, it is recommended to set the transmission strength to High (10mW).

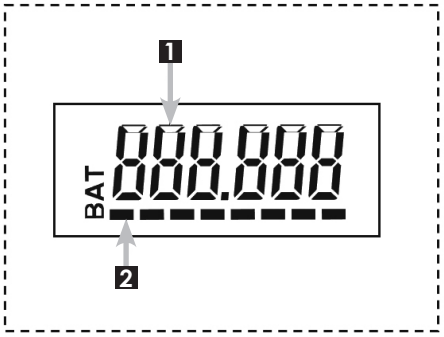
Set the RF transmission strength to Low (3mW) if operating distance between the transmitter and receiver is under 20 metres. If users experience RF interruptions or audio dropouts change the transmission setting to High.

Battery life of the transmitter is dependent on the transmitter High and Low settings. On High users can expect approx. 8 hours of operation. With the transmitter set on Low users can expect approx. 10 hours of operation.

Function – Transmitter High / Low Gain Switch

This function allows the user to choose the input level of microphones or guitar inputs. Use the Hi/Low gain switch to achieve the loudest audio signal without distorting the signal.

iDT-BP1 LCD DISPLAY



1. Frequency display – On power up the beltpack will display the frequency in MHz for 3 seconds. After this time has passed the LCD display will show the frequency group and Group channel (eg. 2-012).
2. Battery level indicator – When battery level is low the battery low LED on the top panel of the belt pack will light up.

SPECIFICATIONS

Wireless System General	
Modulation	Wideband FM
Frequency Ranges	530MHz-580MHz, 640MHz-690MHz
Frequency Group	8 preset groups
Frequency Response	80-18KHz(+1dB,-3dB)
Bandwidth	50MHz
Oscillation Mode	PLL synthesised
T.H.D.	≤1%(1KHz/deviation ± 24KHz)
RF Stability	±15ppm
S/N Ratio	≥110dB(A)
iDR-111 / iDR-222 Receiver	
Receiving Mode	Antenna diversity
Antenna Input	TNC X 2, bias 12V DC,100mA
Power Supply	DC 12V
AF Output Max.(MIC)	XLR, balanced: 0dBu; 6.3mm, unbalanced: -6dBu
AF Output Min.(Line)	XLR, balanced: 12dBu; 6.3mm,unbalanced: 6dBu
Sensitivity	<2.5uV(S/N =52dBr)
SQ Range	25dB
Squelch	CPU/ID +RF+ Noise
Adjustable Volume	-24dB - +18dB/in step of 1dB
IDT-HM1 Transmitter	
Transmitting Mode	CPU+Pilot
Nominal/Peak Deviation	±24KHz/±48KHz
Max Input Sound Pressure	-10dBu(deviation±48KHz)
Power Supply	2 x 1.5V AA alkaline
Transmit Power	10mW/High 3mW/Low
Current Consumption	180mA/High,155mA/Low(±5mA)
Battery Life	8 hours High RF mode. 10 Hours Low RF mode
Display	LCD
Microphone Capsule	Cardioid dynamic moving coil
iDT-BP1 Transmitter	
Transmitting Mode	CPU+Pilot
Nominal/Peak Deviation	±24KHz/±48KHz
Max Input Sound Pressure	-10dBu(deviation±48KHz)
Power Supply	1.5V AA X 2
Transmit Power	10mW/High 3mW/Low
Current Consumption	180mA/High,155mA/Low(±5mA)
Battery Life	8 hours High RF mode, 10 Hours Low RF mode
Input Connection	TA4 (M)
Display	TFT
Included Lapel Microphone	Black electret condenser, Omni polar pattern

**** Disclaimer:*** *Instructions and specifications are correct at time of printing. Information within may be subject to change without notice.*

iDR-111 / iDR-222 (530-580MHz) FREQUENCY CHART

Group / Channel	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
1	532.750	530.450	532.100	535.450	531.850	531.925	532.000	532.075
2	534.000	536.050	534.250	537.550	540.625	540.700	540.775	540.850
3	538.400	541.350	535.500	539.050	543.150	543.225	543.300	543.375
4	542.400	542.450	537.900	542.300	543.750	543.825	543.900	543.975
5	543.500	544.200	540.900	544.100	544.700	544.775	544.850	544.925
6	548.950	546.200	541.900	549.900	545.450	545.525	545.600	545.675
7	550.600	550.750	544.400	552.550	545.900	545.975	546.050	546.125
8	552.650	553.500	548.950	553.750	547.550	547.625	547.700	547.775
9	558.200	557.000	556.350	558.250	548.325	548.400	548.475	548.550
10	563.500	558.650	558.200	559.950	550.075	550.150	550.225	550.300
11	568.250	567.050	562.650	561.950	552.375	552.450	552.525	552.600
12	569.800	568.900	568.150	564.200	553.750	553.825	553.900	553.975
13	571.600	570.300	569.900	571.500	557.725	557.800	557.875	557.950
14	574.700	572.850	574.100	574.850	558.450	558.525	558.600	558.675
15	557.600	577.500	577.850	576.750	559.725	559.800	559.875	559.950
16	578.600	578.800	579.300	579.500	560.400	560.475	560.550	560.625
17					561.350	561.425	561.500	561.575
18					563.475	563.550	563.625	563.700
19					566.025	566.100	566.175	566.250
20					571.375	571.450	571.525	571.600
21					574.125	574.200	574.275	574.350
22					576.225	576.300	576.375	576.450
23					577.075	577.150	577.225	577.300
24					578.700	578.775	578.850	578.925

iDR-111 / iDR-222 (640-690MHz) FREQUENCY CHART

Group / Channel	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
1	642.75	640.45	642.10	645.45	641.850	641.925	642.000	642.075
2	644.00	646.05	644.25	647.55	650.625	650.700	650.775	650.850
3	648.40	651.35	645.50	649.05	653.150	653.225	653.300	653.375
4	652.40	652.45	647.90	652.30	653.750	653.825	653.900	653.975
5	653.50	654.20	650.90	654.10	654.700	654.775	654.850	654.925
6	658.95	656.20	651.90	659.90	655.450	655.525	655.600	655.675
7	660.60	660.75	654.40	662.55	655.900	655.975	656.050	656.125
8	662.65	663.50	658.95	663.75	657.550	657.625	657.700	657.775
9	668.20	667.00	666.35	668.25	658.325	658.400	658.475	658.550
10	673.50	668.65	668.20	669.95	660.075	660.150	660.225	660.300
11	678.25	677.05	672.65	671.95	662.375	662.450	662.525	662.600
12	679.80	678.90	678.15	674.20	663.750	663.825	663.900	663.975
13	681.60	680.30	679.90	681.50	667.725	667.800	667.875	667.950
14	684.70	682.85	684.10	684.85	668.450	668.525	668.600	668.675
15	687.60	687.50	687.85	686.75	669.725	669.800	669.875	669.950
16	688.60	688.80	689.30	689.50	670.400	670.475	670.550	670.625
17					671.350	671.425	671.500	671.575
18					673.475	673.550	673.625	673.700
19					676.025	676.100	676.175	676.250
20					681.375	681.450	681.525	681.600
21					684.125	684.200	684.275	684.350
22					686.225	686.300	686.375	686.450
23					687.075	687.150	687.225	687.300
24					688.700	688.775	688.850	688.925

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WARRANTY INFORMATION – Terms of Warranty – 5 Years

Consumer Guarantees

When you purchase a NAS Solutions 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 NAS Solutions (ABN 50 085 679 894), 127 Merrindale Drive, Croydon, Victoria 3136. ['NAS']

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. **This includes the CD mechanism and laser fitted to the inDESIGN iDCDP-110. These parts carry a 3 month warranty.**

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 inDESIGN products come with a 5 year warranty term.***

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