

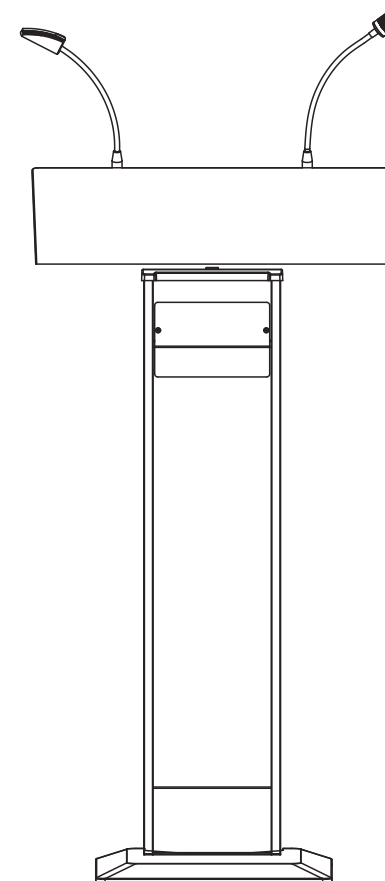


THE UNIVERSE OF INSTALLATION

WIRELESS LECTERN AMPLIFIER

User's Manual

DS-150R



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SEIKAKU TECHNICAL GROUP LIMITED

SEIKAKU TECHNICAL GROUP LIMITED

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NF05724-1.1

6. TECHNICAL SPECIFICATIONS

Model Active	DS-150R
System Type	Full Range Powered Column Lectern System
Transducer Low	3x6.5"Full Range Loudspeakers
Power System	100Watts Class D Power Amplifier
Frequency Response(-6db)	100Hz-16Khz
MAX SPL	124dB
Input Sensitivity	MIC1:-30dB ± 2dB
	Input1-line:-2dbu ± 2dB/ Input1-MIC:-30dbu ± 2dB
	AUX:-2dbu ± 2dB
Wireless Frequency	UHF(470-900)MHZ
Portable MIC	Gooseneck MIC for speech with on/off switch
Portable Lamp	Gooseneck Halogen Light for Reading with on/off switch
USB Foution	USB socket for 5V charge
Connections	1xCombo-XLR&1/4"Input, 1x 1/8"Stereo Jack AUX Input,
	1x1/4" Jack Mixout , 1 Channels UHF Wireless Microphone
External Controls	Digital MP3+recording+bluetooth with remote control , 2 Bands EQ for Inputs,Voice priority on/off switch
	Input1/MIC/AUX Volume Control/MASTER Volume Control,
	Power ON with Green LED,Limiter with Red LED
Power Supply	110V-240V ~50-60Hz and Battery Powered
Enclosure Construction	Body in Extruded Aluminum, Resistant Paint,Metal Grille with Foam
Dimensions(WxHxD)	420 x 580 x 1135mm (16.54" x 22.83" x 44.68")
Net Weight	15.2Kg (33.5 lbs)
Application	Small house of Worship,Corporate Conference Room
	Hotels Multi-Media Room ,Schools
	Convention Centers ,Multi-Media Presentations

SAFETY RELATED SYMBOLS



This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.



This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.



Protective Ground Terminal The apparatus should be connected to a mains socket outlet with a protective earthing connection.

The mains plug is used as disconnect device, the disconnect device shall remain readily operable.



AC mains (Alternating Current)



Hazardous Live Terminal

ON: Denotes the product is turned on.

OFF: Denotes the product is turned off.

WARNING

Describes precautions that should be observed to prevent the possibility of death or injury to the user.



Disposing of this product should not be placed in municipal waste and should be separate collection.

CAUTION

Describes precautions that should be observed to prevent damage to the product.

WARNING

• Power Supply

Ensure that the mains source voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user.

Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

• External Connection

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt, seek advice from a registered electrician.

• Do Not Remove Any Covers

Within the product are areas where high voltages may present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed.

Covers should be removed by qualified service personnel only.

No user serviceable parts inside.

• Fuse

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

• Protective Ground

Before turning the product ON, make sure that it is connected to Ground. This is to prevent the risk of electric shock.

Never cut internal or external Ground wires. Likewise, never remove Ground wiring from the Protective Ground Terminal.

• Operating Conditions

Always install in accordance with the manufacturer's instructions.

To avoid the risk of electric shock and damage, do not subject this product to any liquid/rain or moisture. Do not use this product when in close proximity to water.

Do not install this product near any direct heat source.

Do not block areas of ventilation. Failure to do so could result in fire.

Keep product away from naked flames.

IMPORTANT SAFETY INSTRUCTIONS

Read these instructions

Follow all instructions

Keep these instructions. Do not discard.

Heed all warnings.

Only use attachments/accessories specified by the manufacturer.

• Power Cord and Plug

Do not tamper with the power cord or plug. These are designed for your safety.

Do not remove Ground connections!

If the plug does not fit your AC outlet seek advice from a qualified electrician.

Protect the power cord and plug from any physical stress to avoid risk of electric shock.

Do not place heavy objects on the power cord. This could cause electric shock or fire.

• Cleaning

When required, either blow off dust from the product or use a dry cloth. Do not use any solvents such as Benzol or Alcohol. For safety, keep product clean and free from dust.

• Servicing

Refer all servicing to qualified service personnel only. Do not perform any servicing other than those instructions contained within the User's Manual.

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:

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.

- 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.

CAUTION : Risk of fire or explosion if the battery is replaced by an incorrect type.

The product complies with the Radio Equipment Directive 2014/53/EU.

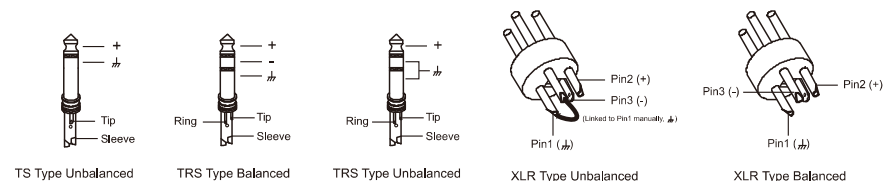
1. high or low extreme temperatures that a battery can be subjected to during use, storage or transportation;
2. and low air pressure at high altitude.
3. replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types)
4. disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
5. leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; and
6. a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

IMPORTANT!

Please read this manual carefully before operating this unit for the first time.

4. WIRE CONNECTIONS

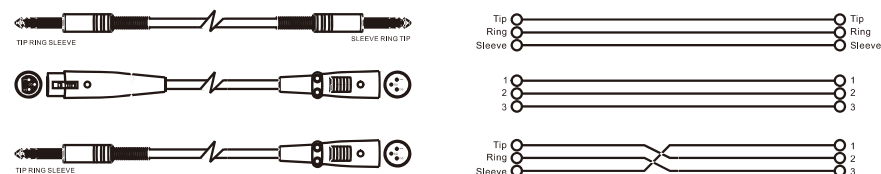
Both connectors, 1/4" XLR or TRS, can be wired in balanced or unbalanced way, depending on the work necessity. The following ones are examples of how these connectors can be wired:



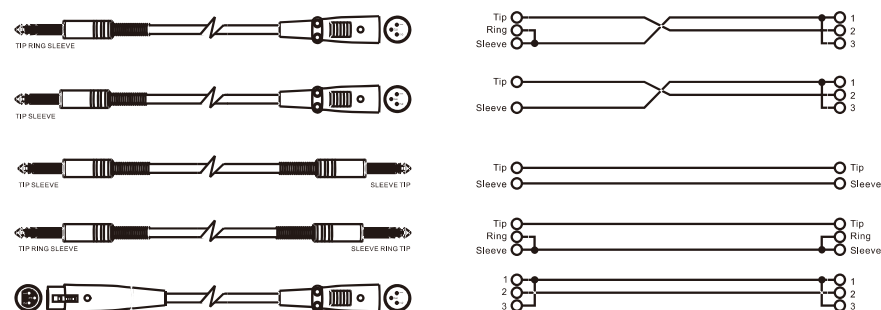
For Active Speaker Cabinets

As to these circumstances, audio connections is mostly intended for the signal flow, so, determine the wire configuration according to your real application system and its connecting facility. Normally, you have the following choices:

• Balanced



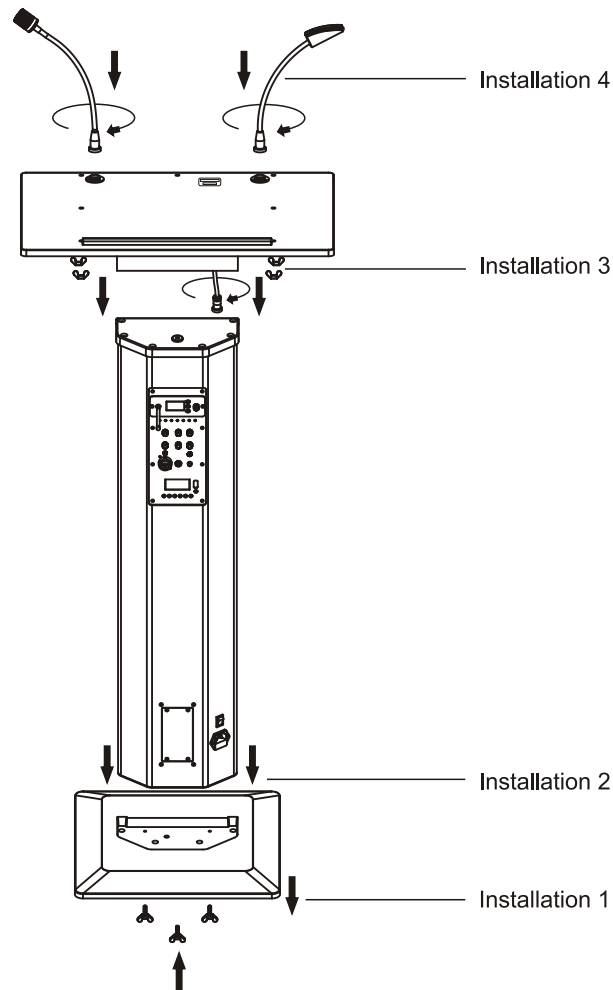
• Unbalanced



5. ATTENTION

1. Avoid this product from rain as applied outdoors.
2. When using wireless microphone, a full extension of the antenna will contribute to a better reception distance.
3. In case of malfunction, please do not open the product without adequate in order to avoid electric shock hazard.

3. OPERATION INSTRUCTION



Installation

- 1. Fasten the bottom base to the ground with screws.
- 2. Use the butterfly screws (M6×16×0.7PH×3PCS) to assemble and settle the speaker with the bottom base.
- 3. Use the butterfly screws to assemble and settle the speakers with the desk before connecting with the connection lines spirally.
- 4. Install the joints of the gooseneck microphone and light onto the desk in a spiral way.
- 5. Install the fixed joint of the antenna into the speakers and pull the flexible antenna to its maximum length. Connect with the power line and turn it on. Adjust volume to the appropriate level before usage.

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1. INTRODUCTION

DS-150R is a professional Column Lectern System developed by show, Beautiful appearance, simple installation, diverse functions, enough power, clear sound, can be widely used in Small house of Small house of Small house of Worship, Corporate Conference Room, Hotels Multi-Media Room, Schools, Convention Centers, Multi-Media Presentations

- RMS Power 100W class D Bi-AMP, 1x Combo-XLR&1/4" Input, 1x 1/8" Stereo Jack AUX Input, 2 Bands EQ for Inputs, Voice priority on/off switch
- 1CH / 2CH can be equipped with UHF(470-900)MHZ Wireless
- Desktop Portable MIC, Portable Lamp, USB Foution
- 3 x 6.5" Full Range Loudspeakers
- Rechargeable battery can play continuously for 4H
- Digital MP3+recording+bluetooth with remote control
- Two Power Supplies : 110V-240V ~50-60Hz, DC25.9V(LITHIUM BATTERY)

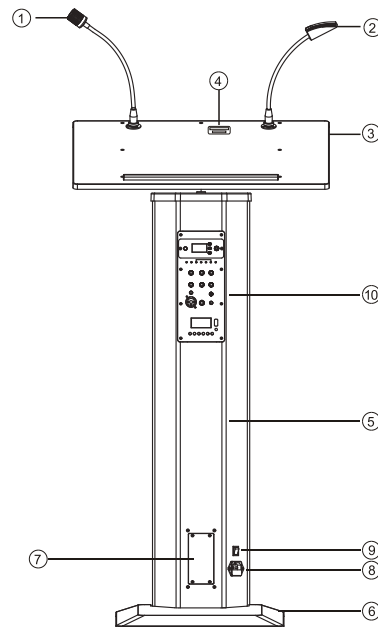
2. PRODUCT STRUCTURE INSTRUCTION

1. Goose neck microphone
2. Goose neck light
3. Desk
4. USB socket for 5V charge
5. Aluminum cabinet
6. Bottom base
7. Battery Powered (optional)

8. AC power socket with main fuse
Check the voltage available in your country and how the voltage of your unit is configured, before trying to connect it to the main AC, 110-240V/50-60Hz.

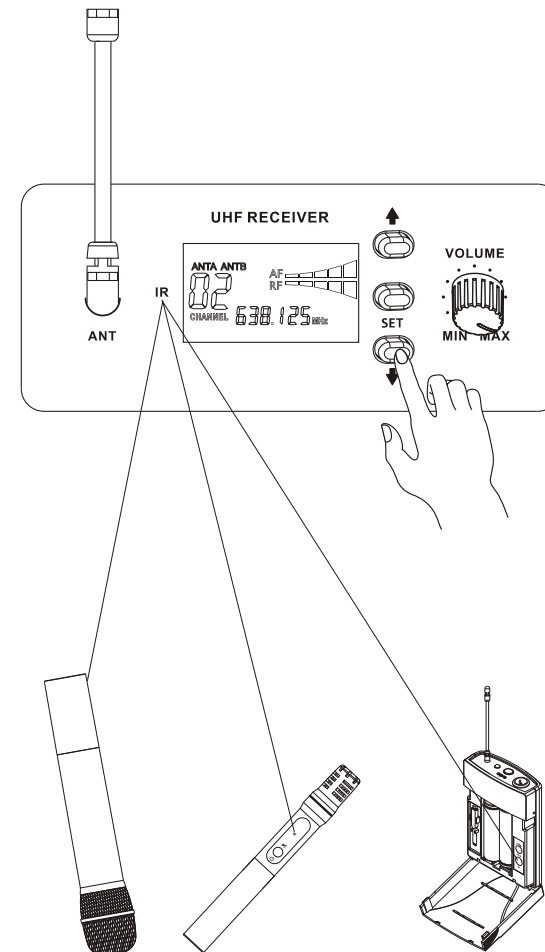
9. Power switch
If this switch is set to the ON position, both the AC and DC will be connected, although the AC will take priority over the DC. When AC is not present at the power input, the DC power source will automatically switch to keep the unit working. If this switch is in the OFF position, the entire unit will stop working. If the switch is in the recharge position, the internal battery will recharge, but the unit will not work.

10. AMP module



HOW TO PAIR YOUR RECEIVER AND TRANSMITTER

Power on your receiver, Then select the channel you like or scan the cleanest channel automatically according to above steps. Then quick the "SET" button and release it to enter pair mode. Power on your transmitter, Then place the IR port of receiver to face towards the IR lens of transmitter within 20cm distance. Once TX and RX are paired successfully. The RF/AF indicator on receiver will light solid.



- Ⓑ Pin 2:“Phantom Power” for condenser microphones
- Ⓒ Pin 3:Designed for musical instruments(When used with cable)
- Ⓓ Pin 4:Desugbed for use with dynamic or condenser microphones

⑤ Infrared(IR)

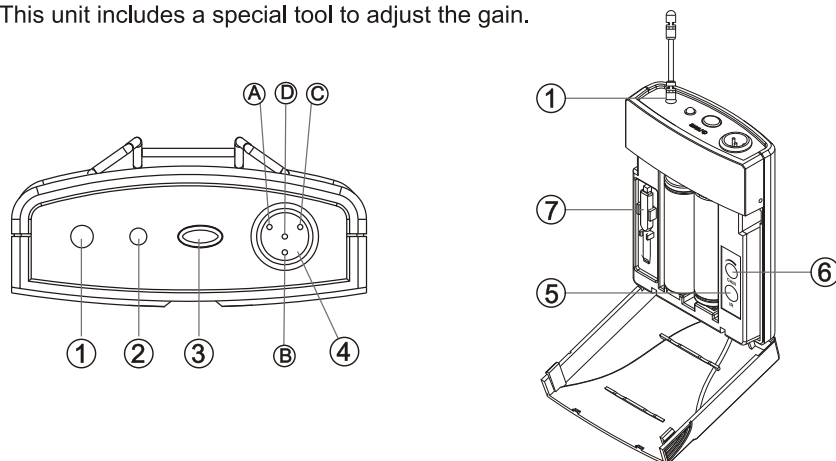
This window is used to capture the infrared signal sent from the receiver. During IR adjustment to pair the transmitter with the receiver, the IR lens must face the receiever to load the selected channel.

⑥ Gain Control

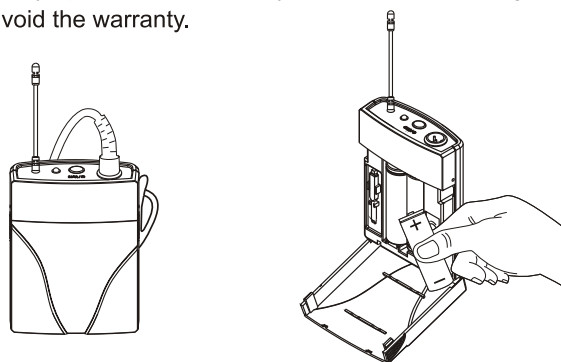
This control adjusts the input sensitivity for working with microphones or musical instruments. to achieve a higher efficiency, adjust this gain where you can see the audio frequency bar (AF) on the receiver at 75%

⑦ Screwdriver

This unit includes a special tool to adjust the gain.



With the transmitter turned off, insert two standard AA(1.5V) batteries, making sure that the positive and negative polarity markings are oriented correctly. Although NI-CAD rechargeable batteries can be used, this transmitter cannot be recharged. Warning: do not insert the battery upside down or it may cause serious damage to your transmitter and will void the warranty.



2.1 AMP module instruction

1.Wireless microphone receiver

UP-Press this key to search for a channel number.

SET-Press this key to adjust parameters inside the receiver.

DOWN-Press this key to search for a channel number.

Display-Here displayed channel and signal information for radio frequency(RF) and audio level(AF).

Volume control-Adjusts the level of the microphone signal.

2.Power LED

3.Signal /Clip LED

This light will illuminate when there is a signal on any channel in green. When the signal is very high and saturates the input,the color changes to red (Clip).

4.Battery Status Bar

This bar of leds indicates the level of the battery charge.

Battery Level	🔋
○ 3x4	> 75%
○ 2x3	50%-75%
○ 1x2	25%-49%
○ LOWx1	< 10%

5.Recharge Indicator

This light turns red when the battery needs to be recharged and green when the battery is fully charged.

6.Treble Control

This knob adjusts the gain or attenuation of the channel's high section at ± 10 dB.

7.Bass Control

This knob adjusts the gain or attenuation of the bass section of the channel at ± 10 dB.

8.Master Control

This control adjusts the overall volume of the mixer and affects ALL channels.

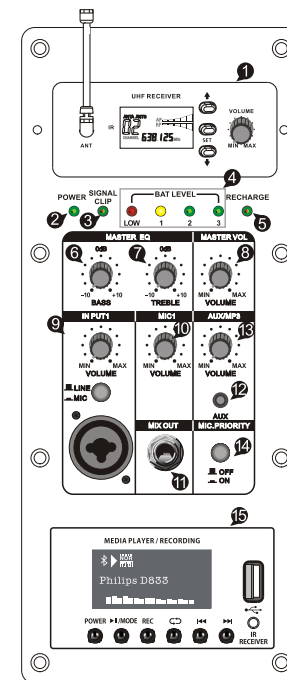
9.Line/Microphone Selector Channel 1

This switch changes the impedance of the Line level channel or Microphone level.

10.Wireless microphone volume control

11.Mix Output(Link)

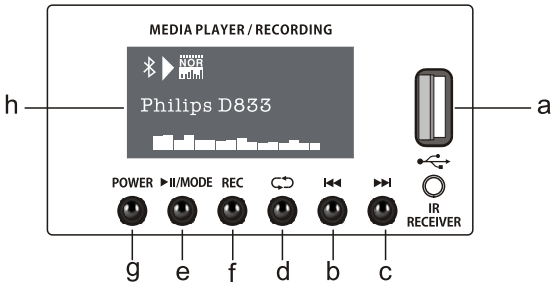
This TRS jack is the mixer output connector that is used to send signal to another active cabinet or to add a sub-bass.



- 12.Aux input
This 1/8"(3.5mm)connector is the auxiliary channel input connector.
- 13.Aux/MP3/Bluetooth Volume Control
This control adjusts the signal level coming from the Aux channel or MP3 music player or Bluetooth.
- 14.Reverb Control
This is the overall reverb effect control that applies to both the microphone and musical instruments.
- 15.MP3 and bluetooth player

2.2 The Functions Description of USB PLAYER

- 1. The functions description of panel is as follows:
Bluetooth Version: BT4.2
Operation Frequency: 2402Mhz-2480Mhz
Rated Power: 1.5dbm



a.USB PORT

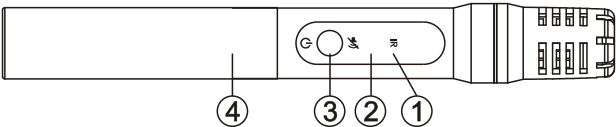
- Insert a USB memory stick for playback or recording.

b.⏮

- When the player is in pause state, a short-press of this button returns to the previous track and the player remains the pause state.
- When the pbayer is in play state, a short-press of this button returns to the previous track and the player remains the play state.
- When the player is in play state, a press of the button for 2 seconds switches the player to soundtracks in the previous media file stored in the USB memory; a press of the button for longer than 2 seconds toggles among media files stored in the USB memory.

Option#2 PEN-SHAPE TRANSMITTER (WT-X)

- ① **Power/Mute button**
Press and hold for 3 seconds to turn the unit on or off, the indicator will light red firstly and change to light green after about 5 seconds. It enters normal operation mode.
- ② **Status indicator**
A quick press and release will mute or un-mute the transmitter when the transmitter turns on. It will light red for mute and green for un-mute.
- ③ **IR LENS**
The window is used to capture the infrared signal sent from receiver. During the IR SET to channelize the transmitter, the IR lens must face towards the receiver to load the selected channel.
- ④ **Battery cover**
Insert one standard AA(1.5V) battery here, Being sure the plus and minus polarity marking of battery are facing correctly. Although rechargeable NI-CAD battery can be used too, but the unit can't obtain adequate power to keep working for more than 4 hours. Warning: don't insert the battery backwards, Or it maybe cause severe damage to your transmitter and will void your warranty.



Option#3 BODY-PACK TRANSMITTER (U-899P)

- ① **Antenna**
This permanently attached transmitter antenna should be fully extended during normal operation.
- ② **Status Indicator**
This LED displays the operation mode:

GREEN	Normal Operation
RED	Mute
Flashing RED	Low power
- ③ **Power/Mute Switch**
Press and hold to turn the unit on or off.
Press and release to mute or unmute the transmitter.
- ④ **Mini 4P connector**
Ⓐ Pin 1:Ground(GND)

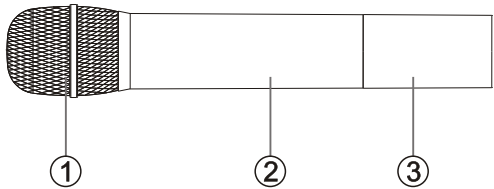
2.4 TRANSMITTER(TX)

There are three types of transmitters dedicated to our customer. Customer can select the transmitters according to their preferences.

Option#1
HANDHOLD TRANSMITTER (U-899H)

- ① Protecton Grid
- ② Microphone Body
- ③ Battery Cover

Insert two standard AA(1.5V) batteries here, making sure that the positive and negative polarity marks are oriented correctly, Although NI-CAD rechargeable batteries can be use, this transmitter cannot recharge them.
Warning: do not insert the battery upside down or it may cause serious damage to your transmitter and will void the warranty.

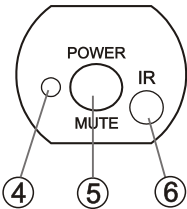


- ④ Status Indicator
This light shows the operation mode:

GREEN	Normal Operation
RED	Mute
Flashing RED	Low power

- ⑤ Power/Mute Switch
To turn on or off, keep this button pressed.
To enter "MUTE" mode press and release this button.

- ⑥ Infrared(IR)
This window is used to capture the infrared signal sent from the receiver. During IR adjustment to pair the transmitter with the receiver, the IR lens must face the receiver to load the selected channel.



- c. **▶▶**
 - When the player is in pause state, a short-press of this button goes to the next track and the player remains the pause state.
 - When the player is in play state, a short-press of the button goes to the next track and the player remains the play state.
 - When the player is in play state, a press of the button for 2 seconds switches the player to soundtracks in the next media file stored in the USB memory; a press of the button for longer than 2 seconds toggles among media files stored in the USB memory.

- d. **↺↻**
Press the button to select from the following repetition modes for the player.
 - When **REPEAT** appears on the LCD screen, all the tracks in the USB memory stick will be repeated.
 - When **1** appears on the LCD screen, one track(the current track) will be repeated.
 - When **A** appears on the LCD screen, the tracks will be played at random.
 - When no symbol appears on the LCD screen, the tracked will be played according to their order.

- e. **▶II/MODE**
A short-press of the button switches the play or pause mode of the player. A long-press of the button switches on or off Bluetooth® audio streaming capability of the player. When Bluetooth® is switched on, the display shows "n a b t". Switch on the Bluetooth of your smart device and select Soundcraft "DS-150R " from the Bluetooth list, then soundtracks or materials in this smart device can be streamed to the PLAYER.

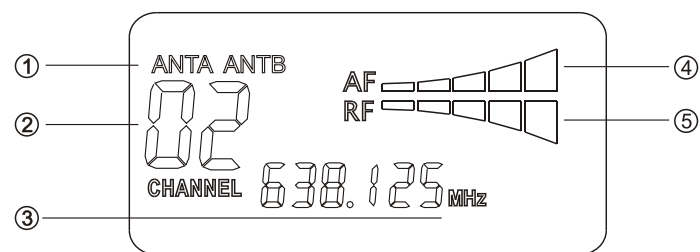
- f. **REC**
When the USB player is in use, press the REC button to initiate the recording mode. Press the REC button again to start recording. To end recording, press the POWER button(g).
Whe the USB player is in recording mode, the rest player functions are not opera-table until the recording mode is termi-nated.
In case the "n a b t" appears on the LCD screen, it means an error happens to recording. In such situation, press the POWER button(g) to stop recording.

- g. **POWER**
Press of the button for 2-3 seconds to turn on or off the USB player.

- h. **DISPLAY**
The LCD screen displays all the USB player information and status.

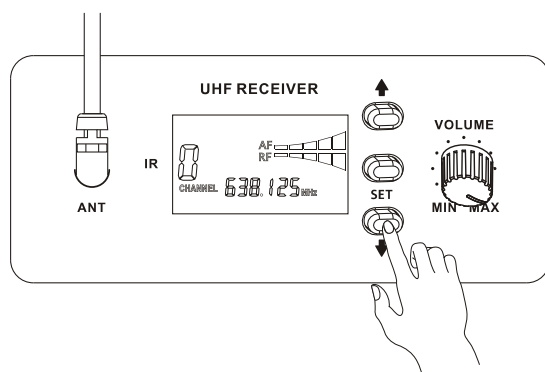
2.3 RECEIVER(RX)OPTIONAL

•Display interface

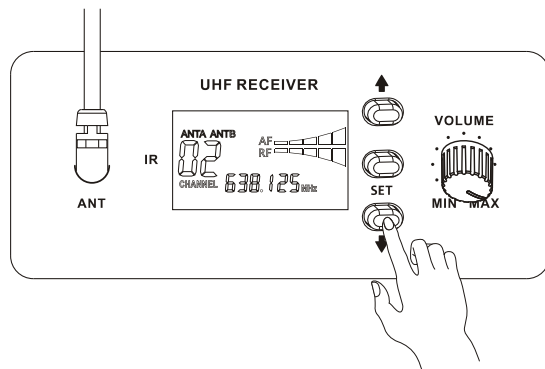


- ① CHA/CHB
- ② Frequency code
- ③ Frequency display
- ④ AF power indicator
- ⑤ RF power indicator

•Single channel



•Double channel



1. Press the “↓” or “↑” button on the front of the receiver to choose an available channel.
2. The channel number will increase from 0 to F (16 Channels).
3. If you hold press the “↑” button, the displayed channel will fast forward.
4. If you hold press the “↓” button, the displayed channel will fast reverse.
5. Briefly press the “ SET ” button, to select channels, ATN A and ATN B (CHA and CHB separately). (If your unit comes with a single channel, this function is not available to change the channel).
6. After selecting the channel (ATN A and ATN B), press and hold the “↓” button for 3 seconds, then the unit scans the full frequency and finally automatically picks the cleanest channel to pair between RX and TX.
7. Or after selecting the channel (ATN A and ATN B), press and hold the “↑” button for 3 seconds to enter the infrared pairing mode. Select the frequency by briefly pressing the “↓” or “↑” button and then continue the pairing between RX and TX by infrared transmission
8. Depending on the current selected channel (CHA or CHB), if the pairing between RX and TX is successful, the AF/RF indicator will show activity on the display.
9. This unit has an independent volume control for this receiver.