

# SGPRO®

## D-332

### USER MANUAL



[www.sgproaudio.com](http://www.sgproaudio.com)

## Table of Contents

1. Introduction .....	1
2. Main Features.....	2
3. Receiver.....	3
4. Handheld Transmitter.....	6
5. Body Pack Transmitter .....	8
6. Receiver Operations.....	9
7. Specifications.....	11



### Reminder

This is an electrical wireless product. It generates and uses wireless frequency energy. As a user, you are responsible to install and use it according to local regulations. Please follow the user manual to set up and operate it to your preferences. We provide a range of frequencies for selection. Please choose and use those comply with local restriction.

## ⚠ Important Notes

1. Install the receiver in more open space for better transmission;
2. Do not throw or toss the device;
3. Do not place the device in rain or in water;
4. Avoid using the device under the sun or in an electromagnetic field;
5. Remove them if the device is idle for a long time;
6. Turn the power off before replacing batteries;
7. Unplug the power adaptor from power supply if the receiver is idle for a long time;
8. Do not disassemble the device without professional guidance;
9. The product is not designed for self-fitting;
10. Use soft cloth to clean device and clean stubborn stain with neutral detergent;
11. Allow 30 CM or more open space around the device for better ventilation;
12. Do not cover the ventilation hole;
13. Do not put a fire, such as a burning candle, on the device;
14. Keep the device away from water, or any container with water like vase;
15. Replace all batteries at one time instead of mixing the new and the old;
16. Use same kind of batteries at one time;
17. The device's working temperature is from 5°C to 60°C;
18. Please try below methods if there's interference issue when using the microphones:
  - a. Adjust the position or direction of the antennas.
  - b. Move the device away from radio or TV.
  - c. Do not use a same power socket with a radio or TV.
19. The best angle from mouth to mic capsule is 45 degrees;
20. Use one microphone when there's only one sound input;
21. Ideal distance from mouth to mic capsule is within 15 cm.

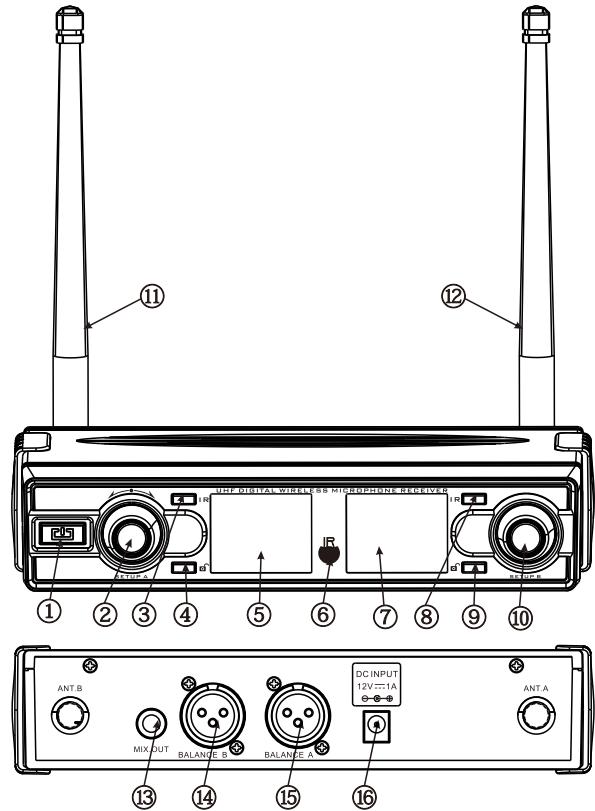
## 1. Introduction

The D332 wireless microphone system is ideal for singing and talking for studio, stage and home use. The microphone set uses modern digital unit to achieve a superior sound and RF performance. The preset frequency groups, colorful screen and visible menu setting make it easy to set up and use for single or multiple sets installation and operation.

## 2. Main Features

- UHF Wireless Frequency Range;
- Unique 16-bit Digital ID Pilot Technology;
- Ultra Short Audio Latency;
- Audio Sampling Mode: 48K;
- Frequency Response: 30 - 20KHz
- Receiver TFT Display & Setting Menus
- Auto Frequency Scanning;
- Frequency Spectrum Display;
- Transmission: 164 Feet/50 Meters (Open Space)

### 3. Receiver



1. POWER	9. UNLOCK
2. SETUP A	10. SETUP B
3. IR	11. ANT-A
4. UNLOCK	12. ANT-B
5. TFT WINDOW	13. MIX. OUT
6. IR	14. BALANCE A
7. TFT WINDOW	15. BALANCE B
8. IR	16. DC INPUT

### 7.3 Bodypack Transmitter

- Carrier Frequency: UHF
- Frequency Switch: IR SYNC
- Output Power: 10mW
- Harmonic Radiation: <-50 dBc
- Battery: Built-in Lithium Battery
- Battery Life: > 5 Hours

## 7. Specifications

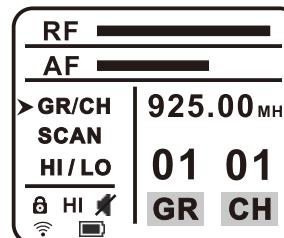
### 7.1 Receiver

- Carrier Frequency: UHF
- Channel Bandwidth: 300 KHz
- Dynamic Range: 96 dB
- Distortion: < 0.1%
- Frequency Response: 30-20 KHz / ±2 dB
- Signal/ Noise Ratio: 96 dB
- Receiving Sensitivity: < 3ms
- Power Supply: DC12~18V 1A
- Audio Output: 1 x 6.3mm, 2 x XLR

### 7.2 Handheld Transmitter

- Carrier Frequency Range: UHF
- Frequency Switch: IR SYNC
- Output Power: 10m W
- Harmonic Radiation: <-50 dBc
- Battery : 2x1.5V AA battery
- Battery Life: > 5h

### 3.1 Receiver Display



RF ————— Signal Level

AF ————— Audio Level

GR: The current frequency group in use.

CH: The current frequency channel in use.

SCAN: Scan for available frequencies and select

HI / LO: High or low power mode for the transmitter.

.Lock: Receiver is in Locked status.

.Mute: Receiver is in Mute status.

.IR Icon: Flashes when sending sync signal.

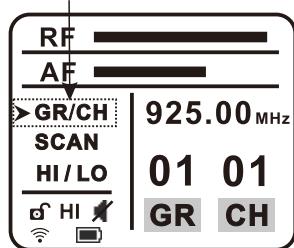
.Battery level of the handheld microphone.

### 3.2 Receiver Menu

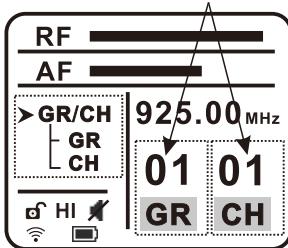
When the receiver is working, long-press Unlock button to unlock the menu. The default menu item is at GR/CH for channel setting.

- Channel Setting

#### Select GR/CH Item

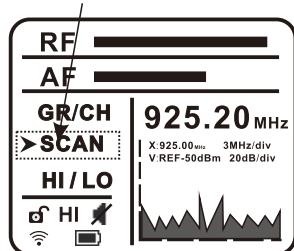


#### Number Changes

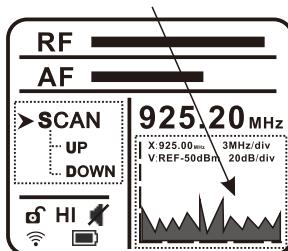


- Frequency Scanning

#### Select Scan

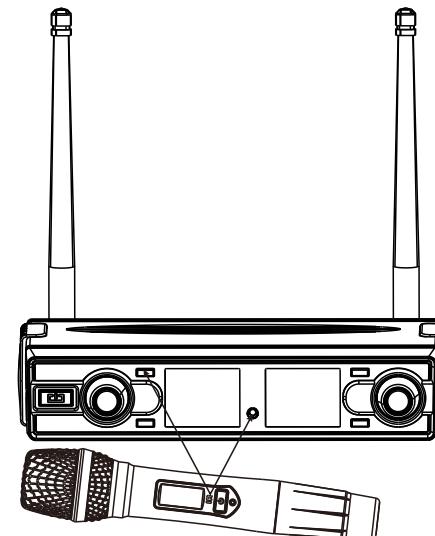


#### Frequency Spectrum



Once scanning process is completed, remember to Sync the receiver with the transmitter.

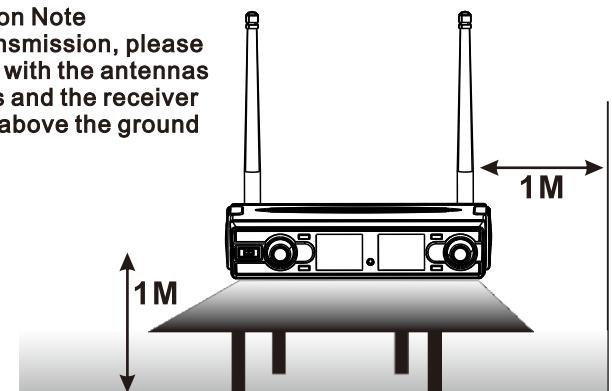
### 6.2 Sync Operation



**Sync Operation:** Turn on the receiver, long-press the IR button for over 3 seconds till the IR indicator flashes. Turn on the microphone and point its IR window closely towards the receiver. A same frequency will show on both the receiver and the microphone if Sync is successful. The RF signal level will show on the receiver.

#### Receiver Installation Note

For best signal transmission, please install the receiver with the antennas in upright positions and the receiver at least one meter above the ground and from the wall.

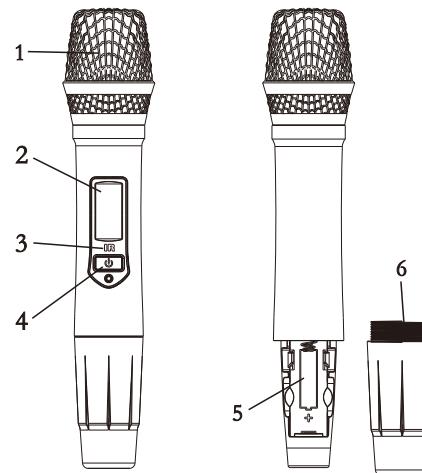


## 6. Receiver Operation

### 6.1 Operation Notes

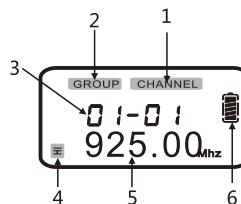
- Pull out both antennas (11)(12) and adjust to upright positions.
- Connect power with the DC input (16).
- Audio Output: Connect the audio cable into Mix Out (13) and the other end into a Mix In or Aux In of a mixer or speaker.
- Balanced Output: Connect the audio cable to Mix Out (14/15) while the other end into Mix In or Aux In of an audio mixer or amplifier.
- Charging: Connect the USB cable to socket (17) while the other end into the microphone.
- Adjust the volume level to minimum before turning on the receiver.

## 4. Handheld Microphone Operation



1. Microphone Capsule
2. LCD: indicates microphone working status.
3. IR Window
4. On/ Mute /Off Switch
5. Battery Slot: 2×1.5V AA Batteries
6. Battery Slot Cover: Remove to change batteries

### 4.1 Microphone Display



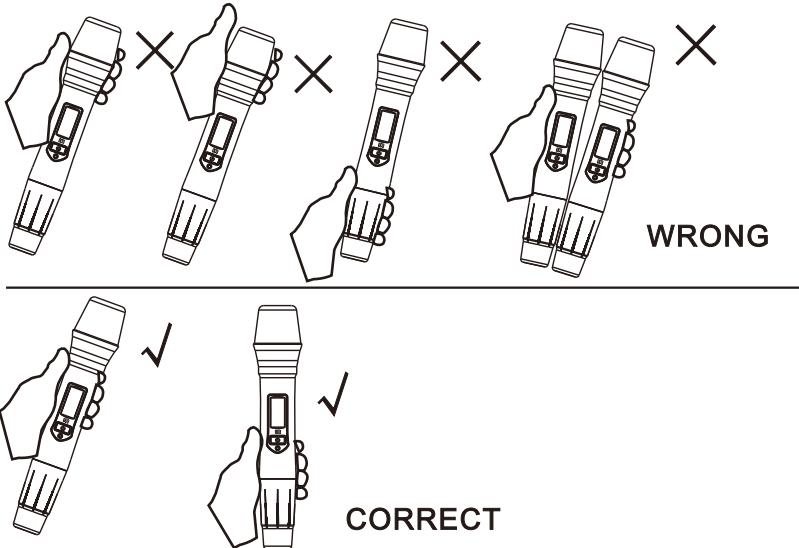
1. **CHANNEL** Channel
2. **GROUP** : Group
3. **01-01** : Group 01 - Channel 01
4. **HI** : The power mode of the microphone. The default setting is on HI.
5. **925.00** : Current Working Frequency
6. **■■■■** : Microphone Battery Level. The icon flashes when the power is low.



When it's on, long press the power button to turn off the microphone.

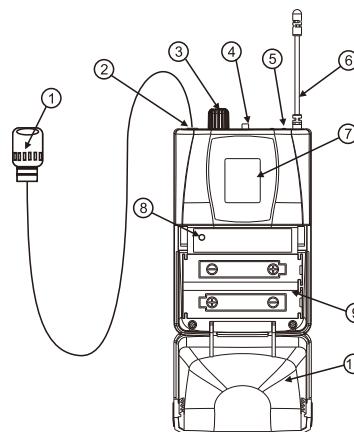
- Remove the cover, insert 1×3.7V Lithium battery with correct direction.
- When unable to turn on the microphone, check if the batteries are installed correctly. If the battery icon flashes, it need to be recharged.
- Device works properly only if handheld and receiver are in a same frequency.
- The system saves the latest used frequency and there's no need to Sync again. When any changes are made to setting the receiver and the transmitter need to re-sync.
- When the microphone is turned on, the IR Sync status is active for 30 seconds.

#### 4.2 Holding the Microphones



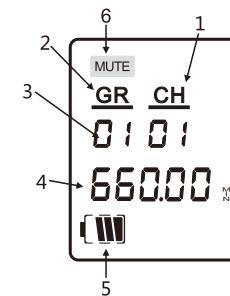
- Keep the distance of the mouth and mic head within 15CM.
- Avoid pointing the mic head towards loud speakers.

### 5. Bodypack Transmitter



1. Microphone
2. Input Socket
3. -VOL+: Volume Control
4. ON / Mute / OFF
5. Power: Power indicator
6. Antenna
7. Display: Working Status of the Body Pack
8. IR: IR Signal Indicator
9. Battery Sink: 2×1.5V AA Batteries
10. Battery Cover

#### 5.1 Body Pack Display



1. Channel
2. Group
3. Group 01 Channel 01
4. Current Working Frequency
5. Battery Level: Flashes When Low Power
6. Mute Status

- Remove the battery cover, insert 2 x1.5V AA batteries correctly.
- If unable to turn on the body pack, check batteries' direction or the power level indicator. recharge if the battery icon flashes.
- The device works properly only if both the bodypack and the receiver are using a same frequency.
- The system saves the latest used frequency and there's no need to Sync again. When any changes are made to setting the receiver and the transmitter need to re-sync.

FCC Warning:

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:

- 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: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.