

USER'S MANUAL



STZ-W8002



UHF Wireless Microphone



UHF Wireless Microphone System Guide User's Manual STZ-W8002

Front panel:



1. Power switch
3. CH-A volume control dial
5. CH-A AF indicator
7. CH-B AF indicator
9. LCD display
2. Power supply indicator
4. CH-A RF indicator
6. CH-B RF indicator
8. CH-B volume control dial

Rear panel:



10. CH-B antenna input
12. CH-B XLR balance audio output
14. Power supply input
11. CH-A+B audio mix output
13. CH-A XLR balance audio output
15. CH-A antenna input



UHF Wireless Microphone System Guide User's Manual STZ-W8002



Handheld Microphone:

1. Gril
2. Battery state indicator
3. Power switch & mute switch
4. Battery cover
5. Antenna

Battery replacement

1. Power microphone OFF.
 2. Open the battery cover and insert batteries.
 3. Reinstall the battery cover.
 4. Power ON microphone.
- *When the battery is low, microphone indicator will flicker.
*When replacing batteries, replace both batteries at the same time.
5. When not in use, please remove the batteries from the microphone.



UHF Wireless Microphone System Guide User's Manual STZ-W8002

Operation:

Receiver:

1. Extend antenna A and antenna B, then position them at a right angle with the main unit.
 2. Mix output: Plug one end of the audio cable into MIX socket. Plug the other end into "OUT MIC". Plug the other end into "MIC IN" or "AUX IN".
 3. Balance Output: Plug the ends of the balance cable (sold separately) into "Balance A" and "Balance B" accordingly. Plug the other end into the input interface.
 4. Plug in the power cable. Turn on the power switch. The POWER indicator will illuminate while the power is on.
 5. When the hand held microphone A or B is working, the RF indicator of CH-A or CH-B will illuminate accordingly. The AF indicator shows the audio level of CH-A and CH-B accordingly.
 6. Adjust the VOLUME control knobs to control the volume of CH-A and CH-B accordingly.
- Attention: The receiver should be placed 1M or higher above the ground. The distance between the back of the receiver and the wall should be 1M or more. The antennas should be fully extended to obtain the optimum signal receiving.*

Microphone (Transmitter):

1. Open the battery cover and install 2 x AA batteries. Be sure the polarities are correct.
2. Turn on the microphone. The indicating LED will flash. If it does not, check the battery level.
3. Slide the switch to the mute position to cut off the audio.

Warning:

- Avoid placing the main unit in "dead zone" to keep the signal receiving in good condition.
- Do not throw or drop the hand held microphone to avoid damaging it.
- Do not expose the unit to direct sunshine or rain. Keep the unit far from electro-magnetic field.
- Do not block the mic-head to maintain the best signal transmitting.



UHF Wireless Microphone System Guide User's Manual STZ-W8002

Specification

- Model Name: STZ-W8002
- Carrier Frequency: UHF 500-599MHz
- Frequency Stabilization: ± 20 ppm
- Dynamic Range: >95dB
- Total Harmonic Distortion: <1%
- Frequency Response: 50Hz-17KHz
- Audio Output: 0-400mV

Handheld Transmitter:

- Power: +10dBm
- Modulation type: FM
- Battery Voltage: 1.5V x 2 AA Batteries (Not included)
- Battery Life with Full Charge: 6-10 hours

Receiver:

- Power Supply: 110V
- DC Power Supply: 12-15V DC
- Power Consumption: 2W
- Signal/Noise Ratio: >90dB
- Image and Spurious Rejection: >80dB
- Neighbor Interference Ratio: >80dB
- Receiving Sensitivity: >5dBu



UHF Wireless Microphone System Guide User's Manual STZ-W8002

Cleaning and maintenance of the receiver

Liquid possible damage electronic device of the receiver!

Liquid may penetrate into the enclosure and cause short circuit of the electronic device.

- ◆ [Receiver must not come into contact with any liquid.]
- ◆ Before start cleaning, please disconnect the device power.
- ◆ Regularly with a soft cloth to clean the equipment. Never allow use solvents or cleaning agents.

Tips and tricks

in order to obtain the best receiving

- ◆ Transmitter effective signal range depending on the working environment and conditions. May is between 10 m and 100 m.
- ◆ Transmitting and receiving antenna should not be obstacles blocking the line of sight.
- ◆ When the poor reception conditions should in receiver through the antenna cable connecting two separated antenna.
- ◆ Transmitting and receiving antennas should keep 5 m minimum distance. This can avoid receiver of radio signal overshoot. - between receiving antenna and steel or concrete wall should ensure the minimum spacing of 50 cm and with V shaped antenna calibration.

in the multi channel device operation

- ◆ When using multiple transmitters, should avoid the transmitter spacing is too short to form a transmission line interference. The transmitters to maintain at least 20 cm spacing.



UHF Wireless Microphone System Guide User's Manual STZ-W8002

Plug configuration

| | | other |
|--|--------------------------------------|--------------------------------|
| 6.3 mm Single Channel plug, unbalanced | XLR-3 plug, with hole head, balanced | DC plug, used for power supply |
| | | |

Important safety tips

- ◆ Please read the instructions carefully.
- ◆ Please keep the instructions. Please always use this product together with instructions delivered to other users.
- ◆ Please note that all warnings and instructions in compliance with the use of all
- ◆ Only in the rear can disconnect the power supply to clean equipment Please use a clean soft cloth to clean the equipment.
- ◆ All maintenance work must be carried out by specially trained maintenance personnel. When the equipment is damaged in any form, when the liquid or foreign body into the equipment or equipment by the rain, can not work normally or shutdown, must carry out maintenance work.
- ◆ Warning: please do not use this device in the water area. Do not use the product in the rain or humid environment. It poses a risk of fire and electric shock, Please do not use the container with liquid placed on the device.
- ◆ Please use only supporting the provision of external power adapter.
 - ◆ Disconnect the equipment with power
 - ◆ A storm
 - ◆ A long time do not use equipment.
- ◆ Can only be connected to external power adapter and "technical parameters" chapters required supply data consistent.
- ◆ Note that external power adapter must good quality
- ◆ In good condition and stored in an easy to find place
- ◆ Tightly inserted in the socket
- ◆ Use only within the permissible temperature range
- ◆ Not covered by other objects, or a long time by sunlight, to prevent high temperature see "technical parameters".
- ◆ Please do not cover the vents. Please follow the instructions for use on equipment.
- ◆ Do not use this device placed the heat source, such as radiator, oven or other device (including the amplifier)
- ◆ Please use the additional equipment / accessories that are recommended by the company.

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.