

SC-100T
SC-100R
Sounds Cap

PORTech
Your CTI Partner



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[USER MANUAL]

Preface:

First of all, we would like to appreciate you for buying our Sounds Cap. This manual contains complete functions and instructions about this system. Therefore, please read it over before you start to use this product.

Catalog:

SC-100R Receiver

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SC-100R Receiver

① Volume/power control

- The volume can be adjusted to an appropriate level by rotating the volume control clockwise; the power can be turned on when you rotate the knob clockwise, and vice versa.

② Power/reception indicator

- (1) The indicator turns to red when the unit is on.
- (2) When the unit receives signals, this indicator will show green light.

③ 3.5 mm earphone jack

- Both of mono and stereo earphones can be used upon the user's preference.

④ Information

- **i** Indicates information. The current channel is shown on the LCD when pressing the **i** button.

⑤ LCD

- (1) When the power is turned on, LCD is active at the same time. The power containing and the current channel are shown on the screen.
- (2) The screen is in energy-saving mode when there is no touch on the mode after 5 seconds; you can press **i** or **▲▼** again to activate the screen or reset the channel.

⑥ Channel selection

- Press **▲▼** to set the channel

⑦ Charging port

- Put in the lead here to connect the unit with the specific charger.

⑧ Aux out volume control

- 3 levels to control the sound volume: HI, MID and LOW.

⑨ 3.5mm Aux out

- This output can be connected with smartphone, video recorder, amplifier, speaker.

⑩ Antenna

- Flexible antenna

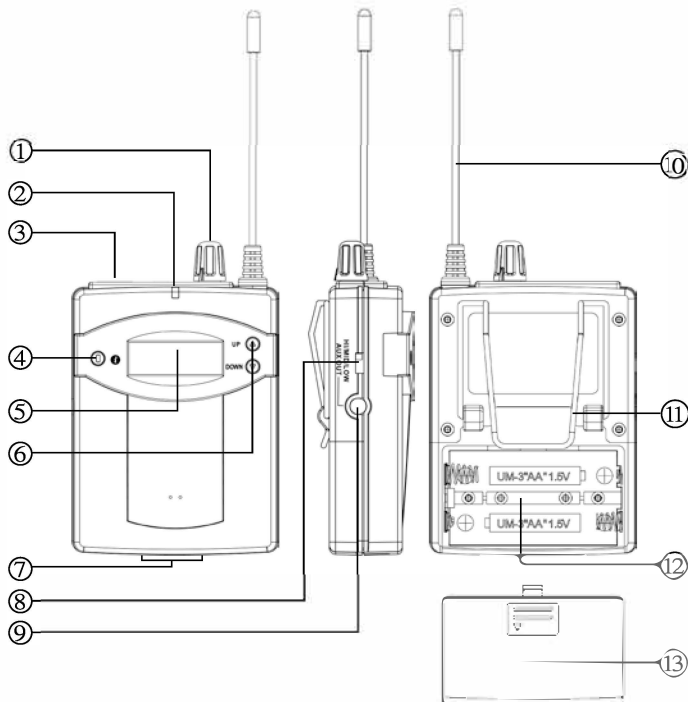
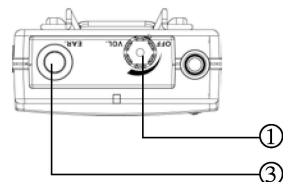
⑪ Belt clip

- Two-way clip

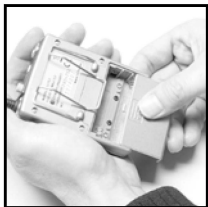
⑫ Battery case

- Insert 2 pcs x 1.5V AA alkaline batteries or 2 pcs x 1.2V AA rechargeable batteries with correct polarity in the compartment.

⑬ Battery cover





Operation





Insert batteries:

1. Push the battery cover gently in advance and then pull it out.
2. Insert 2 pcs x 1.5V AA alkaline batteries or 1.2V AA rechargeable batteries.
3. Push the battery cover back to close the case.

Turn the unit on:

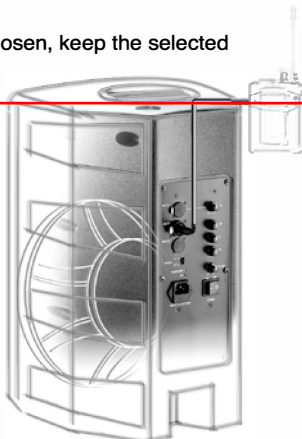
1. Turn on the unit by rotating the volume control knob in a clockwise direction.
2. Then, the power / reception indicator will become red.
3. The indicator will turn to green when the unit has received the signal. At the same time, the LCD is active and shows .
4. The channel is shown on the LCD .
5. Put the earphone in the earphone jack and adjust the volume.

Channel setting:

1. Select a channel by pressing  .
2. As soon as the channel has been chosen, keep the selected channel on the display.
3. The channel is set successfully.

Aux out volume control:




This output can be connected with other amplifiers or speaker.



Powered Speaker

Operation

LCD display instructions:

-  1. Channel 8th is selected and batteries are fully charged.
-  2. Batteries are going to be out of electricity. Please recharge the unit soon.
-  3. When the battery frame blinks, batteries are out of electricity. The frame is blinking until the unit turns off automatically.


- ※ 1. The insufficient power of batteries can influence the performance on transmission and receiving
2. To recharge the 1.2V AA (Ni-MH, 1600 mAh) rechargeable batteries, you need to choose the specialized chargers, such as the 2-slot charger.

Caution

- ※ Do not put non-rechargeable batteries in the charger or it would cause a great danger, such as explosion or battery leakage.
- ※ Please take out of the batteries if the unit has not been used for a period in order to avoid the leakage.



Turn the unit off:

1. Turn off the unit by rotating the volume control knob in the counterclockwise direction.
2. Meanwhile, the LCD will show .
3. If there are not other functions being activated, the power/reception indicator, backlight and LCD will be off.

Troubleshooting

Unable to turn on the unit	<ol style="list-style-type: none"> 1. Be sure the batteries are inserted in the unit. 2. Be sure the polarities of batteries are correct.
Unable to hear any voice from the receiver	<ol style="list-style-type: none"> 1. Be sure the receiver and the transmitter are at the same frequency. 2. Be sure the volume is adjusted to the appropriate level. 3. Be sure the distance between the receiver and the transmitter are accepted.
The receiver is interfered when pairing with the transmitter	<ol style="list-style-type: none"> 1. If there are more than one transmitter around users, select different frequency to avoid potential interferences. If the interference still exists, select another frequency again until the problem is solved. 2. Interferences might come from other RF products, such as television or radio. Please try different frequencies.
The LCD display shows ERR	<ol style="list-style-type: none"> 1. Turn the volume control off in counterclockwise direction, and then turn it on again step by step. 2. If the problem still cannot be solved, please contact with your local supplier for repairing.

Specification

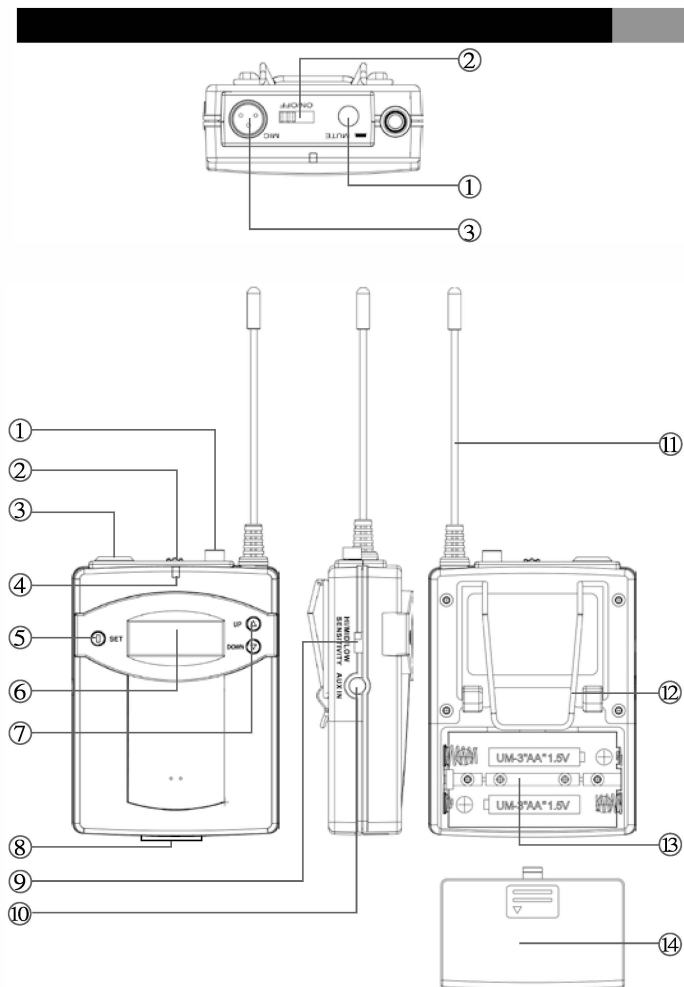
Oscillation mode	PLL synthesized
Receiver frequency range	Group 1. 640~664 MHz (96 ch) Group 2. 740~752 MHz (96 ch) Group 3. 794~806 MHz (96 ch) Group 4. 863~865 MHz (16 ch)
Frequency width	Maxima 12 MHz
Dynamic range	>80dB
T.H.D.	<1%
Pre/De-emphasis	<50 μ S

Specification

Antenna	Flexible antenna
RF spurious rejection	58 dB @ 250 kHz
Adjacent channel performance	58 dB @ 250 kHz
IMD rejection	58 dB 400 kHz & @ 800 kHz
Double intermediate	243.95 MHz/10.7 MHz
AUX out	-5 dBv/-10 dBv/-15 dBv/@1 kHz MOD 20 kHz with Hi/Mid/Low switch
Audio level	Max 750 mV Up
Earphone connector	3.5 mm jack socket for both of mono or stereo one
Battery	1.2V (Ni-MH. 1600 mAh) x 2 pcs AA rechargeable batteries 1.5V x 2 pcs AA Alkaline disposable batteries
Power supply	14 hours in Ni-MH. rechargeable batteries 17 hours in Alkaline disposable batteries
Dimensions(L*W*H)	98 x 64 x 26 mm
Weight	175 g (with batteries)

SC-100T Transmitter

- ① Mute control
- ② Power switch(ON/OFF)
- ③ 3.5 mm screw-type
3.5 mm push-in
3-pin microphone input
- ④ Power indicator
 - It turns red when the unit is turned on
- ⑤ Frequency set
- ⑥ LCD
- ⑦ Channel selection
- ⑧ Charging port
- ⑨ Sensitivity switch
- ⑩ 3.5mm Aux In (can be connected with amplifiers)
- ⑪ Antenna
 - Flexible antenna
- ⑫ Belt clip
 - Two-way clip
- ⑬ Battery case
 - Insert 2 pcs x 1.5V AA alkaline batteries or 2 pcs x 1.2V AA rechargeable batteries with correct polarity in the compartment.
- ⑭ Battery cover



Operation







Insert batteries:

1. Push the battery cover gently in advance and then pull it off.
2. Insert 1.5V AA alkaline batteries or 1.2V AA rechargeable batteries.
3. Push the battery cover back to close the case.

Turn the unit on:

1. Turn on the power switch . The red light and the LCD are on.

Channel setting:


After turning on the unit, the current channel  is shown on the LCD. Press "SET"  for 2-3 seconds until the channel number starts to blink , and then press Up or Down  to select the channel from 1-16 or 1-96. Press "SET" again after setting the channel.

Operation






You can set the sensitivity of built-in microphone based on different usages .

- HI -Very sensitive
- MID -The average
- LOW -Less sensitive

AUX IN-To connect with external sound signal, such as MP3 

When you are not using the microphone temporarily, you can push " MUTE " in silent mode . Push " MUTE  " again and then you can start to use the microphone.

LCD display instructions:

-  1. Channel 8th is selected and batteries are fully charged.
-  2. Batteries are going to be out of electricity. Please recharge soon.
-  3. When the battery frame blinks, batteries are out of electricity. The frame will blink until the unit turns off automatically.


- ※ 1. The insufficient power of batteries can decrease the performance on transmission and receiving
- 2. To recharge the 1.2V AA Ni-MH. 1600 mAh rechargeable batteries, you need to chose the specialized chargers, such as 2-slot SC-100C

Caution!

- ※ Do not put non-rechargeable batteries in the charger or it would cause a great danger, such as explosion or battery leakage.
- ※ Pls take out of the batteries if the unit has not been used for a period in order to avoid the leakage.



Turn the unit off:

1. Turn the unit off in the counterclockwise direction.
2. Meanwhile, the LCD will show .
3. If there are not other functions being activated, the power/reception indicator, backlight and LCD will be off after it shows "OFF" on LCD.

Specification

SC-100T Receiver

Capsule	Condenser
Antenna	Flexible antenna
RF output	10 mW
Spurious emission	Less than 250 nW
Audio input	Mic in, Aux in
Input jack	Push-in , screw-type , mini XLR
AF control	Mute switch, Hi/Mid/Low switch
Battery	1.2V (Ni-MH. 1600 mAh) x 2 pcs AA rechargeable batteries 1.5V x 2 pcs AA Alkaline disposable batteries
Power supply	11 hours in Ni-MH. rechargeable batteries 14 hours in Alkaline disposable batteries
Housing	Aluminium
Size (L x W x H)	26 x 64 x 88 mm
Weight	170 g (with batteries)

MEMO
