

CHIAYO

CoaCh400

Personal Wireless Portable Amplifier System

Operation manual



ISO 9001



ISO 14001



OHSAS 18001



GREEN PRODUCT



TAIWAN EXCELLENCE



IC:3563A-COACH400
FCC ID:CINSQ-1016
FCC ID:CINSM-1016

Please read and follow the instructions in this manual thoroughly to obtain optimum results from this unit. We also recommend that you keep this manual handy for future reference.

Safety Precautions

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety hazards.

 WARNING	Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.
 CAUTION	Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

Make sure to observe the following handling precautions so that a fire or personal injury does not result from leakage or explosion of the battery.

- Do not short, disassemble, heat or put the battery into a fire.
- Never charge batteries of the type which are not rechargeable.
- Do not solder a battery directly.
- Be sure to use the specified type of battery.
- Note the correct polarity when inserting a battery in the unit.
- Avoid locations exposed to the direct sunlight, high temperature and high humidity when storing batteries.

 WARNING	To prevent the electromagnetic wave from badly influencing medical equipment, make sure to switch off the unit's power when placing it in close proximity to the medical equipment.
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 CAUTION	Battery discharge naturally according to a certain pattern even not in use. For best performance and a prolonged lifespan, battery should be charged regularly after every use or every month when the system is in storage and not being used!
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Congratulation and thank you for the purchase of this all-in-one ultra compact portable sound system. To ensure a trouble-free operation, please read this manual thoroughly to fully understand its controls and functions.

Configuration

All versions of COACH 400 series comes equipped with the following:

1. Mini wired microphone (DM-555)
2. Shoulder strap
3. Switch mode power supply
4. Operation manual

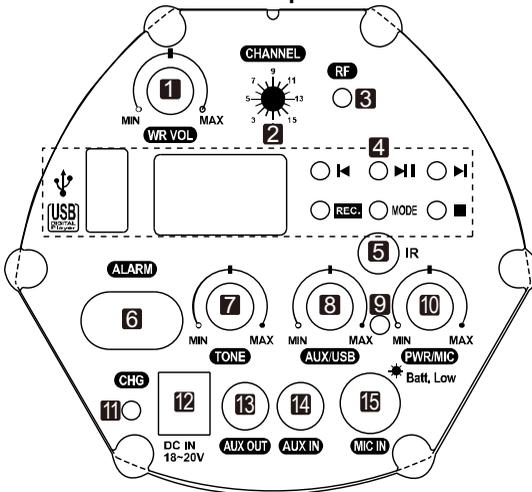
Optional accessories

1. Wireless handheld or beltback transmitter
2. Charger for UHF transmitter
3. Tripod stand (ST-30)
4. Storage bag (SB-41)

Remark

Manufacturer reserves the rights to change the above combinations without prior notice.

COACH 400 Rear control panel



1. Power and volume control of wireless microphone
2. Channel selector
3. RF signal indicator
4. USB digital recorder player
5. IR sensor area
6. Emergency alarm(2 sounds for selection)
7. Tone control
8. Volume control of audio input/USB
9. Power/Battery low indicator:
Normal(GREEN)/battery low(RED)
10. Power / Volume control of wired microphone
11. Charging indicator: During charging(RED)/Charging finished(GREEN)
12. DC in
13. Aux output
14. Aux input
15. Wired microphone input

Recharge its inbuilt Lithium battery before first use

After unpacking the unit for the first time, please recharge the unit for about 4~5 hours before operation. This is absolutely necessary as the built-in rechargeable battery might have been discharged naturally due to long shipment and storage time, even though it had been fully charged in the factory prior to shipment.

To charge the battery, just plug in the DC end of the switch mode power supply into the DC IN^⑫ of the unit and charging will start automatically. During the charging process, the charging indicator LED^⑪ will be RED. When this LED turns GREEN, this battery is then fully charged.

Operating procedures

To operate this portable sound unit, turn on the main power switch^⑩ and the power indicator^⑨ will be GREEN. If it turns RED, its battery power might be too low and recharging is necessary. The main power switch does not switch on the wireless microphone and USB digital recorder player as each of them has an individual Power / Volume control.

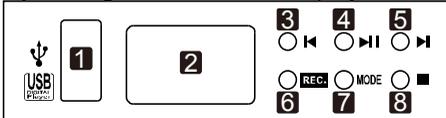
Operating the built-in wireless microphone system

To use the wireless microphone, first turn on the main power switch^⑩, then turn on the WR power/volume control switch^①. Switch on the corresponding transmitter and set this system to the same frequency and RF signal LED^③ will grow GREEN.

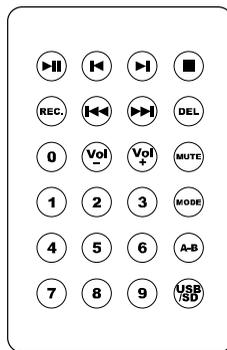
Operating the wired microphone

There is a MIC IN jack^⑮ with dedicated volume control^⑩ for this portable sound unit. To use a wired microphone, just insert its phone plug into the MIC IN jack^⑮. Then turn on the Power/volume control^⑩ and rotate it to adjust the volume.

Operating the MP3 recorder player module



1. USB 2.0 input
2. LCD display
3. Press to return to previous track, press and hold to fast reverse.
4. Press to play/pause or stop recording.
5. Press to go to next track, press and hold to fast forward.
6. Press to record.
7. Press to switch repeat modes.
8. Press to stop playing or recording.



remote control ▲

Operating functions on the panel and the remote

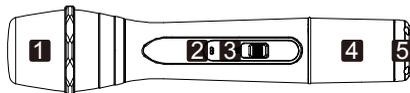
Operating function	On the panel	On the remote
Play/pause	Press ▶ 	
Record	Press ● to record and ▶ or ■ to stop.	Press REC to record and ▶ or ■ to stop.
Skip forward	Press ▶I	Press ▶I
Fast forward	Press and hold ▶I	Press and hold ▶I
Skip backward	Press I◀	Press I◀
Fast backward	Press and hold I◀	Press and hold I◀
Next folder	-	Press ▶▶I
Previous folder	-	Press I◀◀
Track select (button #0-9)	-	input track number, then press ▶
Repeat mode switch (ALL/SINGLE/FOLDER)	Press MODE	Press MODE
Volume control	-	Press Vol+ or Vol-
A-B section play	-	Press A-B to start, again to play section and again to stop
Delete tracks	-	Press DEL to delete track and again to confirm your delete
Mute	-	press MUTE to mute/recover

Note:

- Supports FAT and FAT32 file systems only.
- Supports MP3, WAV and WMA music formats only
- Record track format :MP3; Bit rate: 128kbps; Sampling frequency: 44kHz
- Recordable only when USB is detected.
- Record files will be stored in the RECORD folder of USB.
- The files will be named as FILE_001, FILE_002, FILE_003...etc.
- The name of a deleted track won't be applied to its next one.
- Recordable until FILE_999 appears with LCD displaying Num Full.
- LCD displays USB FULL when insufficient memory left.
- Don't remove the USB during the recording process in case the interrupted track might be damaged.

Handheld transmitter (Q-818)

Parts and functions



1. Cartridge
2. Battery power LED
3. Power switch
4. Battery compartment
5. Color cap

Battery installation & indicator

This transmitter requires two AA batteries to operate.

To install, remove the battery cover and slide the batteries into the battery compartment & replace the battery cover.

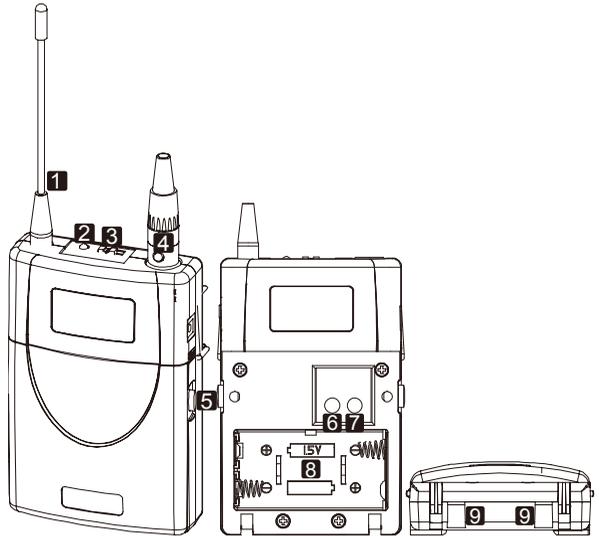
Note: Batteries contain a corrosive acid that may leak and damage the transmitter when stored for a long period. Batteries should be removed from the transmitter before storing without use for more than 4 weeks.

When the transmitter is switched ON, a red LED[®] will blink once to indicate the batteries installed are in good condition. **If the LED remains illuminated, it means the batteries are weak and require replacement.**

Belt-pack transmitter (M-818)

Parts and functions

1. Antenna
2. Battery power LED
3. Power switch
4. Mini XLR connector
5. Cover release button
6. High-impedance gain control (GT)
7. Low-impedance gain control (MT)
8. Battery compartment
9. Charging contacts



Battery installation & indicator

This belt-pack requires two AA batteries to operate.

To install, open the battery cover using the cover release buttons^⑤ and insert the batteries into the battery compartment^⑧.

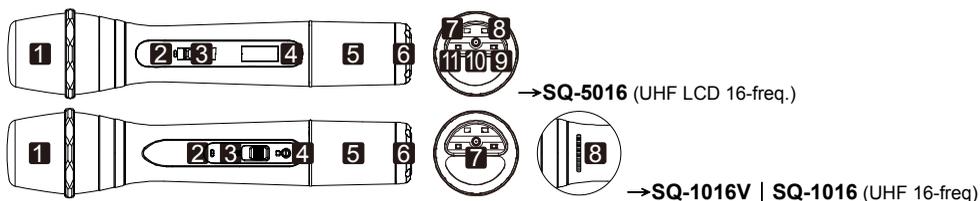
Note: Batteries contain a corrosive acid that may leak and damage the belt-pack when stored for a long period. Batteries should be removed from the belt-pack before storing without use for more than 4 weeks.

When the transmitter is switched ON, the battery power LED (red)^② will blink once to indicate the batteries installed are in good condition. **If the LED remains illuminated the batteries have expired and require replacement.**

GAIN setting (GT | MT)

Gain control enables the user to set different output levels. **GT**^⑥ is for the use of instrument with high impedance, such as guitar while **MT**^⑦ is for the use of low impedance such as lapel or headset microphones.

UHF handheld transmitters (SQ-5016 | SQ-1016V | SQ-1016)



Transmitter parts and functions	SQ-5016	SQ-1016V	SQ-1016
Cartridge	1	1	1
Battery weak/power LED	2	2	2
Power switch	3	3	3
Channel switch	-	4	4
Volume control	-	8	-
LCD	4	-	-
Battery compartment	5	5	5
Bottom cap	6	6	6
Locking button	7	-	-
Setting button	8	-	-
Up button	9	-	-
Charging port	10	7	7
Down button	11	-	-

Battery installation & indicator

This transmitter requires 2 x AA batteries to operate.

To install, remove the battery cover and slide the batteries into the battery compartment & replace the battery cover.

Note: Batteries contain a corrosive acid that may leak and damage the transmitter when stored for a long period. Batteries should be removed from the transmitter before storing without use for more than 4 weeks.

When the transmitter is switched ON, a red LED② will blink once to indicate the batteries installed are in good condition. **If the LED remains illuminated the batteries have expired and require replacement.**

CHANNEL setting (SQ-1016V | 1016)

Please use the attached small screw driver to set the channel④.

VOLUME adjusting (SQ-1016V)

Please slide the wheel⑧ to adjust the volume.

Other settings (SQ-5016)

1. Channel setting



Use UP^⑨ or DOWN^⑪ button to go to the CHANNEL | FREQUENCY page.

After pressing the SET button^⑧ for 3 seconds, the cursor will flash to allow changes to be made. Press UP or DOWN button to change the channel number. The corresponding frequency will change accordingly. When a desired channel is selected, it will be automatically saved and stored in the memory.

2. Battery type setting



Use UP^⑨ or DOWN^⑪ button to go to the Battery selection page.

After pressing the SET button^⑧ for 3 seconds, the cursor will flash to allow changes to be made. Press UP or DOWN button to move the cursor to either NiMH (rechargeable battery) or AKLN (Alkaline battery) position.

When a battery type has been selected, it will be automatically saved and stored in the memory.

Remark: NiMH battery must be selected when rechargeable battery is being used. Never select AKLN (alkaline) when transmitter is intended for charging as alkaline battery isn't rechargeable. Wrong battery selection will result in battery sensing electronics to display wrong and misleading status information.

3. Sensitivity level setting



Use UP^⑨ or DOWN^⑪ button to go to the SENS SET page.

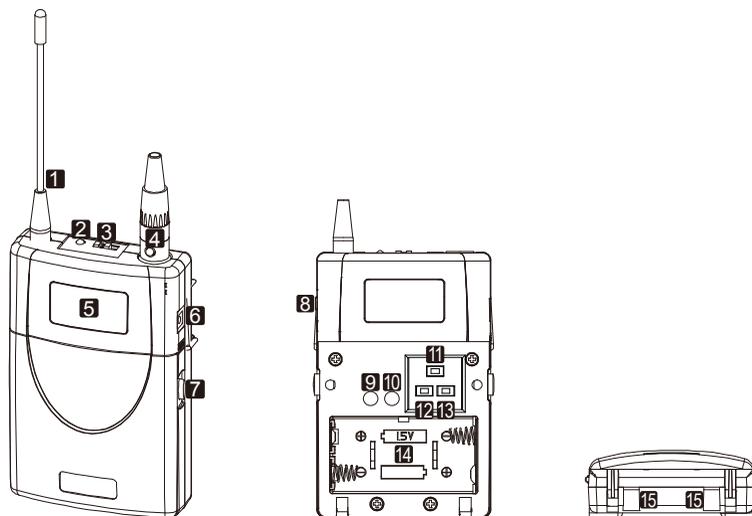
After pressing the SET button^⑧ for 3 seconds, the cursor will flash to allow changes to be made. Press UP or DOWN button to change the Sensitivity Level of the transmitter.

The MAX level is 4 and the MIN level is 1. When a desired sensitivity level has been selected for your application, it will be automatically saved and stored in the Memory.

Remark: When selecting Sensitivity level, please bear in mind that Level 1 is for close proximity singing purposes whereas Level 4 is for use of transmitter on tripod mount for speech purposes. When Level 4 setting is used for close proximity singing, high SPL input will result in undesirable distortion in the output.

After performing setting changes, you could turn the protective cover 180° in either direction to block the buttons from being accidentally adjusted.

UHF belt-pack transmitters (SM-5016 | SM-1016)



Transmitter parts and functions	SM-5016	SM-1016
Antenna	1	1
Battery weak/audio mute indicator	2	2
Audio mute switch	3	-
(Lavalier microphone) Mini XLR connector	4	4
LCD	5	-
Charging port	6	-
Cover release button	7	7
Power switch	8	3
Gain control (GT, high impedance)	9	12
Gain control (MT, low impedance)	10	13
Setting button	11	-
Up button	12	-
Down button	13	-
Battery compartment	14	14
Charging contacts	15	15
Channel switch	-	11

Battery installation & indicator

This belt-pack requires 2 x AA batteries to operate.

To install, open the battery cover using the cover release buttons and insert the batteries into the battery compartment.

Note: Batteries contain a corrosive acid that may leak and damage the belt-pack when stored for a long period. Batteries should be removed from the belt-pack before storing without use for more than 4 weeks.

When the transmitter is switched ON, the battery power LED[Ⓢ] will blink once to indicate the batteries installed are in good condition. **If the LED remains illuminated the batteries have expired and require replacement.**

CHANNEL and GAIN setting (SM-1016)

Please use the attached small screw driver to set the channel.

Gain control is an adjustable design that enables user to set different output levels. GT[Ⓢ] is for the use of instrument with high impedance, such as guitar while MT[Ⓢ] is for the use of low impedance such as lavalier or headset microphone.

Other settings (SM-5016)

1. Channel setting

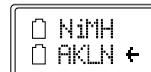
Use UP[Ⓢ] or DOWN[Ⓢ] button to go to the CHANNEL/ FREQUENCY page.



After pressing the SET button[Ⓢ] for 3 seconds, the cursor will flash to allow changes to be made. Pressing UP or DOWN button can change the channel number. The corresponding frequency will change accordingly. When a channel is selected, it will be automatically saved and stored in the memory.

2. Battery type setting

Use UP[Ⓢ] or DOWN[Ⓢ] button to go to the Battery selection page.



After pressing the SET button[Ⓢ] for 3 seconds, the cursor will flash to allow changes to be made. Press UP or DOWN button to move the cursor to either NiMH (rechargeable battery) or AKLN (Alkaline battery) position.

When a battery type has been selected, it will be automatically saved and stored in the memory.

Remark: NiMH battery must be selected when rechargeable battery is being used. Never select **AKLN** (alkaline) when transmitter is intended for charging as alkaline battery isn't rechargeable. Wrong battery selection will result in battery sensing electronics to display wrong and misleading status information.

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