MEETING P.A. AMPLIFIER SYSTEM

USER'S MANUAL

CONTENTS

Table of Contents

BASIC SET & SYSTEM CONFIGURATION

8.Basic Set

Single / Dual Channel System:

(1) Main Unit   1 PC
(2) DC Cord   1 PC
(3) Signal Cable   1 PC
(4) Transmitter   1 / 2 PCS
(5) MP4 Holder   1 PC
(6) Battery 9V   1 / 2 PCS
(7) 1.5V AA Battery   2 / 4 PCS
(8) 1.5V AAA Battery   2 / 4 PCS
(9) User's Manual   1 PC

9.System Configuration

NO.	Model	CD Player	DVD Player	A.V. Player	VHF (T) 200MHz	UHF (T) 800MHz	Output Power With Battery	Output Power With DC
01	PA-9500	NO	NO	NO	0	0	30W	30W
02	PA-9500CD	YES	NO	NO	0	0	30W	30W
03	PA-9500DV	NO	YES	NO	0	0	30W	30W
04	PA-9500AVD	NO	NO	YES	0	0	30W	30W
05	PA-9510	NO	NO	NO	1	1	30W	30W
06	PA-9510CD	YES	NO	NO	1	1	30W	30W
07	PA-9510DV	NO	YES	NO	1	1	30W	30W
08	PA-9510AVD	NO	NO	YES	1	1	30W	30W
09	PA-9520	NO	NO	NO	2	2	30W	30W
10	PA-9520CD	YES	NO	NO	2	2	30W	30W
11	PA-9520DV	NO	YES	NO	2	2	30W	30W
12	PA-9520AVD	NO	NO	YES	2	2	30W	30W

Designs and specifications are subject to change without notice for improvement.

IMPORTANT SAFEGUARDS

1. Introduction

Thank you for choosing our meeting PA amplifier system. In order to get the best playing effect, please read this manual carefully to know the right operation way before using. Please recharge this unit every month to achieve the best performance.

2. Important Safeguards

· Do not open this product by yourself for adjustment.

· When abnormity occurs, please submit this equipment to our dealer for examination, adjustment and repair.

· One receiver cannot receive signal from two same frequency microphones simultaneously. Other microphones with different frequency or brand cannot be used for this receiver.

· To reduce the risk of fire or electric shock, do not remove the cover. High voltage parts are inside.

· To reduce the risk of electric shock, do not touch power plug with wet hands.

· To reduce the risk of fire or electric shock from damaged power cord, do not pull power cord strongly when pulling out the power plug. Always grasp the plug tightly then pull it out. Turn off the power if this equipment will not be used for a long period of time after setup.

· To reduce the risk of electric shock, use the specified power voltage only.

· To prevent damage from dropping or inclining, do not put heavy articles on the top of this equipment, do not put equipment on shakable, declining and unstable places.

· To reduce the risk of electric shock, do not put vessel with liquid or small metal parts on the top of this equipment, do not let metal or flammable parts drop into this equipment.

· To reduce the risk of fire or electric shock, do not expose this equipment and power cord under the sun or to the moist or dusty places. Keep away from hot apparatus or places with oil, smoke and water.

· Please insert the power plug into power outlet entirely and clean them regularly because the accumulated dust will apt to cause fire.

· Please pull out power plug and contact with our dealer when the following happens:
① When the smoke comes out with burning smell from this equipment.
② Water or other article goes into this equipment.
③ Drop on the ground and unit is damaged.
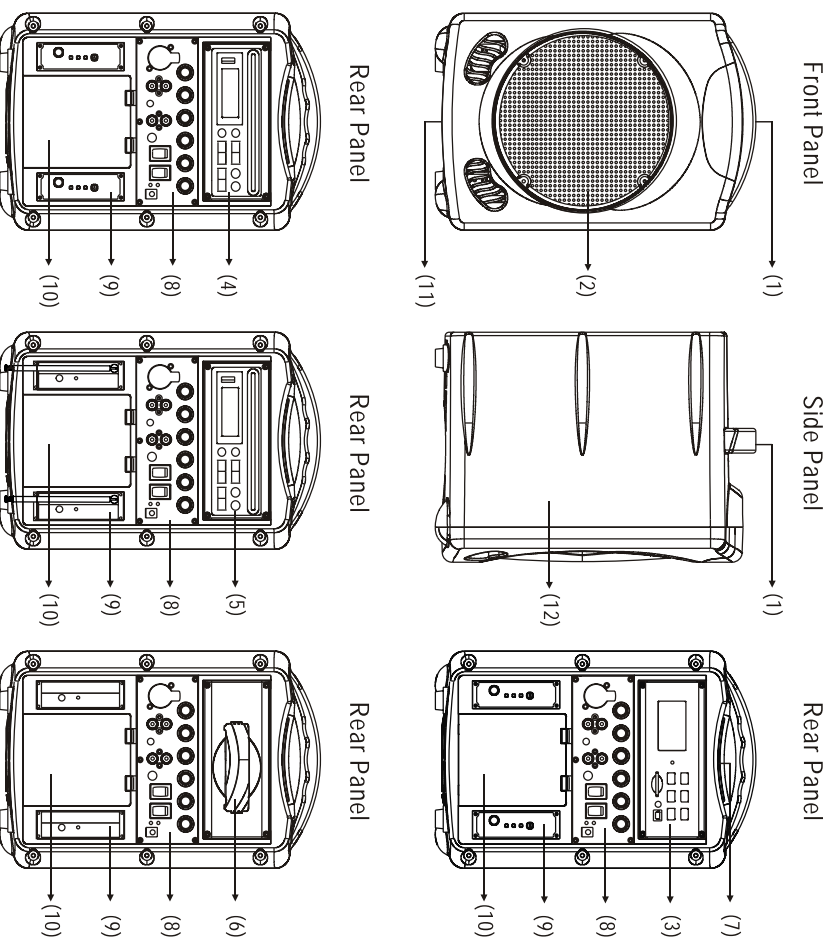④ Power cord damaged. (Cord core exposes or cord broken)
⑤ No sound output.

Do Not Disassemble

Do Not Touch

Pull Out AC Plug

Forbidden

Forbidden

Forbidden

Forbidden
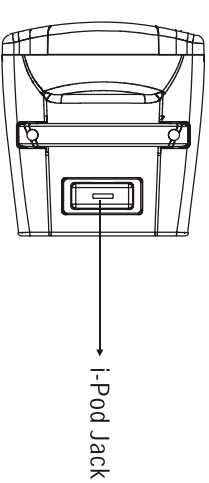
Caution

Caution

PARTS DESCRIPTION

3.Parts Description
3.1 Receiver

(1) Handle
(2) Metal Shield
(3) Digital Record / Player MP3
(4) Slot-in CD With USB
(5) Slot-in DVD With USB
(6) i-Pod Jack
(7) Audio-Video Player With Memory Card
(8) Control Board
(9) External VHF / UHF Receiver Module / External UHF PLL Receiver Module
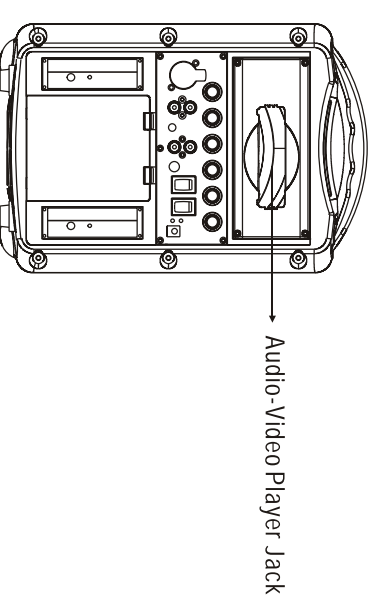(10) Battery Compartment
(11) Pole Mount
(12) Plastic Cabinet

Front Panel (1) (2) (11)

Rear Panel (4) (8) (9) (10)

Side Panel (1) (12)

Rear Panel (5) (8) (9) (10)

Rear Panel (7) (3) (8) (9) (10)

Rear Panel (6) (8) (9) (10)

(Pictures for reference only)

USER'S GUIDE

7.13. Audio-Video Player With Memory Card (Specialized player just with this function)

i-Pod Jack

Audio-Video Player Jack

1. Edit function : copy、remove、rename、delect files、folders in HDD.
2. Super capacity : 20G、40G、80 hard disk etc. Such as 40G hard disk reserves 20,000 MP3 songs ,or 70 MP4 movies.
3. It has program playing sort function, support multi-disk partition HDD and SD card play.
4. MP3、MP4 Subtitles support plug-in program selection the choice support multiple languages.
5. Search playback ,repeat playback ,A-B repeat playback etc.
6. Music picture playback function:9-picture playback function for the picture:12 kind of pictures playback transition effect.
7. Search playback ,repeat playback ,A-B repeat playback etc.
8. Files Supply
a. MPEG4 Program, include: DivX, XviD, AVI, AFS etc.;
b. MPEG2 (DVD、 SVCD), include:MPG,VOB files;
c. MPEG1 (VCD), include: MPG / DAT;
d. CD-DA、 WMA:
e. MP3、 WMA;
f .JPEG;

(Pictures for reference only)

USER'S GUIDE

5. This unit has ECHO control (4)(Suitable only when microphone is used), and with Tone(5),Master(6).

6. For playback, volume can be controlled by the knob (3) one the control panel.

7. When input signal cable (13), video signal output (DVD/ A.V. Player is working).

Notes: 1. To use built-in rechargeable battery, please recharge the battery before operation. Switch off the power, plug in DC Cord to start to charge. Charging time is about 10 hours. Please recharge this unit every month.

2. If this system is not going to be used for a long time, charge the battery at least once a month. Pull out power plug and turn Power Switch to OFF position.

7.11 Remote Control Battery
7.11.1 Battery Installation

Open battery cover first , credit card remote control with a button battery. To avoid wasting battery energy ,covering PVC plastic film on the contact - point of battery. please get rid of the PVC plastic film before using remote control.

Spring of the battery cover

Insulation PVC
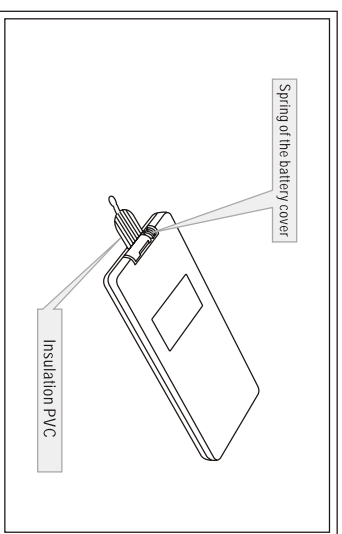
7.11.2 Change Battery

Battery service life is about one year. It depends on usage frequency and operation. If remote control does not work when it is near the unit, please change the battery.

7.11.3 Remote Control Operation Range

1. Remote control operation range: Within 4 m from front panel, angel: ≤45°

2. Effective distance of remote control will be different according to different lightness fenvironment. Use remote control to read the date you need. When karaoke, it can be used for pitch adjustment and eliminate the original sound.

7.12 Support i-Pod (Specialized player just with this function)

when using i-Pod, stop playing DVD/ CD /Memory card, turn on i-Pod player and insert i-Pod into i-Pod jack (2), then amplifier plays i-pod music.

(Pictures for reference only)

PARTS DESCRIPTION

3.2 Receiver Module

VHF/ UHF PLL 16CH   Perpendicular Type
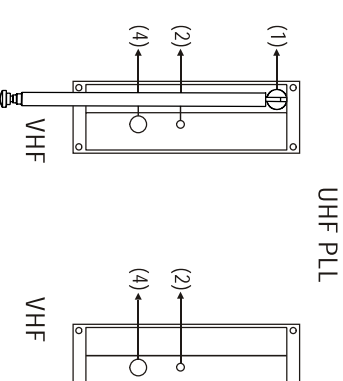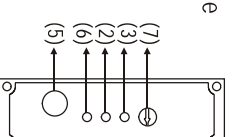
(1) Antenna
(2) CH1/ CH2 RF LED Indicator
(3) AF Sound Signal LED Indicator
(4) CH1/ CH2 Volume Control
(5) Power Switch & Volume Control
(6) Power LED Indicator
(7) Frequency Switch

VHF   UHF PLL   VHF

3.3 Tray type CD Player

(1) CD Tray   (8) Program
(2) Fast Backward   (9) Random Play
(3) Fast Forward   (10) Menu
(4) Stop   (11) Mute
(5) Play /Pause   (12) Time Left
(6) Eject /Close   (13) LCD Display
(7) Repeat
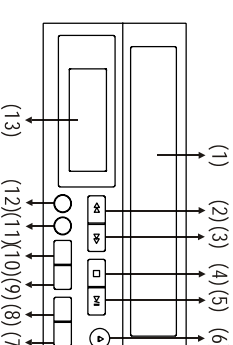
3.4 Slot-in type CD Player

(1) CD Slot   (6) Eject
(2) Program   (7) Repeat /Enter
(3) Random Play   (8) Fast Backward
(4) Stop   (9) Fast Forward
(5) Play /Pause   (10) LCD Display

(Pictures for reference only)

PARTS DESCRIPTION

3.5 Slot-in CD With USB

(1) CD Slot
(2) Stop
(3) Fast Backward
(4) Fast Forward
(5) Play / Pause
(6) Eject
(7) CD

(8) USB Button
(9) File Forward
(10) File Backward
(11) Infrared Sensor
(12) LCD Display
(13) USB Port
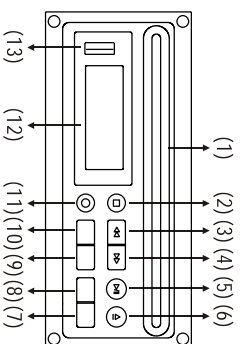
3.6 Speed Control Slot-in CD Player

(1) CD Slot
(2) Program
(3) File
(4) Stop / Eject
(5) Play / Pause
(6) Fast Forward

(7) Fast Backward
(8) Repeat /
     Random Play
(9) Power
(10) Speed Control
(11) LCD Display
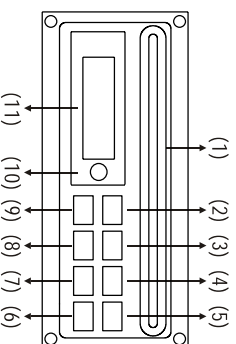
3.7 Digital Record / Play MP3

(1) Play / Stop Button
(2) Mode Button
(3) Record Button
(4) Next Selection (songs, items)
(5) Last Selection (songs, items)
(6) FLASH / SD Button
(7) USB Connector
(8) Earphone In
(9) SD Card Connector
(10) Re-set Button
(11) LCD Display
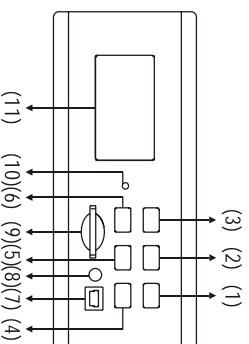
3.8 Slot-in DVD With USB

(1) DISC Slot
(2) Stop
(3) Fast Backward
(4) Fast Forward
(5) Play / Pause
(6) Eject
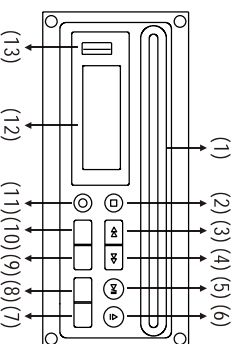
(Pictures for reference only)

USER'S GUIDE

Select "DELETE" sub-selection, press "ENTER" key (13) screen showing mention menu, select "YES" to delete the item or "NO" cancel this operation.

7.9.21 New Folder / Rename

1. Remove HIGHLIGHT to aim alphabets by directional keys (9), press "ENTER" key.

2. Press "STOP" key (18) to finish file / folder name input;
   Press "PSM" key (15) to cancel operation;
   Press "CLEAR" key (25) to cancel the current in putting alphabet.

7.9.22 Select

Repeat pressing "EDIT" key (3) and select sub-selection, it is available switch over among signal select, full select and select close.

7.9.23 Properties

Check file / folder attribute.

7.9.24 Cancel

Cancel operation and return to "SIGNAL MENU".

7.10 Control Board (Please Refer To Picture 3.10)

When use DC power, the current do not less than 5A, when voltage is 12V, the current do not less than 3A when voltage is 18V; otherwise amplifier can't work well.
Note: Before using this device, please use AC cord to recharge. Recharging time is 7~10 hours.

1. (A) When using DC power, insert one end of DC cord into DC power input jack (18), the other end into DC power outlet. Switch Power (15) on, power LED indicator (17) flashes from red to green 3 times , then if power LED keeps red, it means amplifier is charging, if power LED keeps green, it means amplifier is charged fully .

(B) When using built-in rechargeable battery, please pull out DC cord and switch Power (15) on, power LED indicator (16) lights in green to indicate normal condition. When power LED indicator (16) lights in red, it indicates the power is not enough, please recharge it.

(C) If battery voltage is not enough, main unit will be powered off automatically.

(D) Insert the power cord into DC input jack (18) , the machine charges automatically.

2. If wired microphone is used, insert wired microphone into MIC (7) jack, adjust volume control (1) to reach appropriate volume.

3. If external amplifier is used, insert one end of signal cable into LINE OUT jack (11) / (12) , another end to external amplifier.

4. To amplify external sound source, insert signal cable into AUX IN (10) / L (8) / R (9) Volume can be adjusted by AUX VOL (2).

You can use L / R (23) to choose dub or leave music only, when you play VCD program;
Use 'L / R' choose different langue when you play MP4 and DVD program.

7.9.16 SUB
When you play the movie with multi-subtitle, press "SUB" key (24) to switch it, and select what you want.
Note: 1. This function suitable for AV file which can swith the subtitle.
2. In the same folder, sub key selection is not necessary for subtitle which has a same name with program.

7.9.17 Pitch Adjustment
When the audio or video playing, press the directional key (9), can adjust the pitch.
(b ------♭------ #)

7.9.18 File Edit
In the state of "SIGNAL MENU" press "EDIT" key (3) showing edit menu. Press "UP / DOWN" directional keys (9) to select operation, press "ENTER" key (13), then make the corresponding operation to the selected file.

COPY
MOVE
DELETE
RENAME
SELECT
NEWFOLDER
PROPERTIES
CANCEL
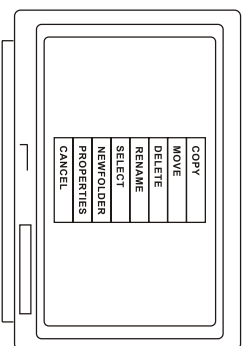
7.9.19 Copy / Move
1. Select folder by directional keys (9), press "DIR" key (2) to appoint the selected folder as aim folder.
2. Select the file / folder press "EDIT" key (3) to show edit menu, select "SELECTION" sub-selection, press "ENTER" key (13), the selected file showing red colour. Press "STOP" key (18) to stop operation.
3. Press "EDIT" key (3) to show edit menu, select "COPY" or "REMOVE" sub-selection, then press "ENTER" (13).

7.9.20 Delete

(Pictures for reference only)

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(7) DISC
(8) USB Button
(9) File Forward
(10) File Backward
(11) Infrared Sensor
(12) LCD Display
(13) USB Port

Remote Control
(1) Power Switch
(2) USB Play
(3) Audio Mute Key
(4) Numeric Key
(5) VOL+
(6) VOL-
(7) Tuneup #
(8) Falling Tone B
(9) Pause Playback Key
(10) Fast Backward Key
(11) Fast Forward Key
(12) Display
(13) Directional Key
(14) Confirm Menu Selection
(15) Set up Menu
(16) Eject
(17) DISC Play
(18) Audio
(19) Subtitles / language Setting
(20) Stop Playback
(21) Skip to Prev Title Key
(22) Skip to Next Title Key
(23) Programme
(24) Zoom in / out
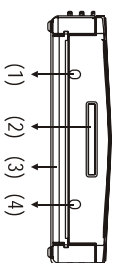(25) Random Play
(26) Repeat
(27) Disk Menu Setting
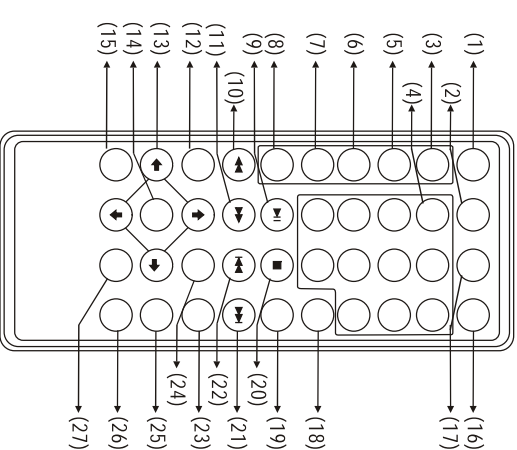
(Pictures for reference only)

PARTS DESCRIPTION

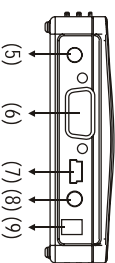## 3.9 Audio-Video Player

(1) STATE Power LED

(2) SD Card Port

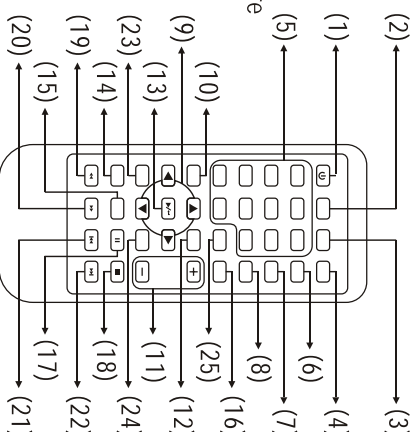(3) 2.5 Inch Hard Disk Port

(4) RX Infrared Receiver LED By
Remote Control

(5) AV OUT AV Signal Output Jack

(6) VGA Port : VGA Out Jack

(7) USB 2.0 Port : USB Jack

(8) CX Digital Audio Coaxial Output Jack

(9) Power Socket

Remote Control

(1) Power Switch   (2) Appointed Aim Catalogue Key

(3) File / Folder Edit Key   (4) Audio Mute Key

(5) 0~9、+10 Numeric Key   (6) Repeat Playback Key

(7) A、B Repeat Playback Key   (8) Search Playback Key

(9) Directional Key (Pitch Adjustment ◄►)

(10) Menu Setup Key

(11) Raise / Lower Volume Key

(12) CVBS、VGA Switch Over Key

(13) Playback / Enter Key

(14) 9-picture Playback Function for the picture

(15) Pictures Play-back Transition Mode

(16) Slow Playback

(17) Pause Playback Key

(18) Stop Playback

(19) Fast Backward Key

(20) Fast Forward Key

(21) Skip to PREV title Key

(22) Skip to NEXT title Key

(23) L / R Switch Over Key

(24) Subtitle Switch Over Key

(25) Clear Key

Front Panel

(1) (2) (3) (4)

Rear Panel

(5)
(6)
(7) (8) (9)

(2)
(1)
(5)
(9)
(10)
(13)
(23)
(14)
(19)
(15)
(20)

(3)
(4)
(7)
(8)
(16)
(12)
(25)
(11)
(24)
(18)
(22)
(21)
(17)

(Pictures for reference only)

During playing , press "MUTE" key(4) , the Audio output will be off , but video output continually. Press "MUTE" key again to cancel the mute state and the audio output is on.

7.9.8 [0 - 9] Number Key

Press numeric keys (5) to select your favourite program directly.

7.9.9 Repeat

Press "REPEAT" key (6) on remote control , select playback mode: single little playback, single title repeat playback, catalogue playback, catalogue repeat playback, full disk playback, full disk repeat playback.

A-B

Repeat playback specific segment (A-B) , Press 'A-B' key(7) at the starting point A , press' A-B' key again at the ending point B , the selected segment (A-B) will repeat automatically. Press 'A-B' key again , cancel 'A-B' repeat playback. When 'play menu' shown , press it o setup mode of pictures show with music playing. Click the JPG picture you want, MP3 and WMA song under same directory will be played automatically. Press 'STOP' key(18) to exit.

7.9.10 Search

Press "SEARCH" key (8) on remote control , screen will show search playback display. Input time by numeric key(5) , then press ENTER key(13) to start playback.

7.9.11 Screen Display

During playing , press "EDIT" key(3) , screen showing current played time , press it again , showing left time ; Press third time , cancel time display.

7.9.12 Photo Digest

Press "PHONE DIGEST" key (14) on remote control, unit searches JPG file to playback in 9-picture playback for the picture mode . Press "SKIP+ / -" (22) / (21) to enter page up or page down. Press directional keys to select picture, then press "ENTER" (13) to play, press numeric key (5) to play pictures directly.
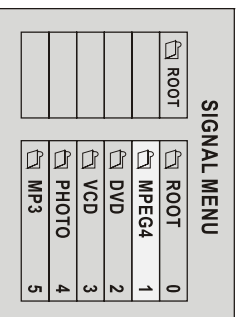
7.9.13 PSM

During playing JPG files, press "PSM" key(15) to select pictures playback transition effect. The unit with 12 kinds of pictures playback transition effect.

7.9.14 Volume + / -

Press "VOLUME + / - " key (11) to regulate volume . Press "VOL+" key raise volume ; Press " VOL- " key to lower volume.

7.9.15 R / L

USER'S GUIDE

3. press numeric key (5) or directional keys (9) (up / down / left / right)to move highlights to select catalogue ir files, press the SKIP- (21) / SKIP+ (22) to get into the page choosing, then press "ENTER" key to confirm your selection.

SIGNAL MENU

ROOT	ROOT	0
	MPEG4	1
	DVD	2
	VCD	3
	PHOTO	4
	MP3	5

7.9.2 Stop / Change Disk

Press "STOP" key (18) on remote control or on unit return to "SIGNAL MENU".

Then press "STOP" key on unit to return root catalogue. If hard disk with multi subarea, press "STOP" key on unit again to switch disk partition.

7.9.3 Skip + / Skip -

During playing, press "SKIP+" (22) key on unit or remote control (skip to next title), press it one time , skip to next title forward accordingly. During unit playback ,press " SKIP-" key (21)on unit or remote control (skip to PREV title) press it one time , skip to PREV title accordingly.

7.9.4 Fast Forward / Fast Backward

During playing , press "FWD" key (20) 3 seconds to adjust forward speed, there are four kind of speeds:×2,×4,×6,×8. Press "PLAY" key (13) to return normal playback speed. Press "REV" key (19) on remote control three seconds, fast backward function is contrary with the above function.

7.9.5 Slow Play

During playing, press "SLOW" key (16), it will enter slow playback status. There are three selectable speeds. Press "PLAY" (13) to return to normal playback speed.
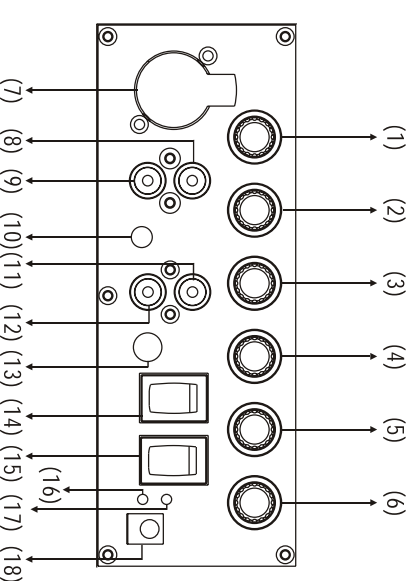
7.9.6 Pause

During playing ,press "PAUSE" key(17) ,it will be on the state of pause. When press "PAUSE" again or press "PLAY" key to return to normal playback.

7.9.7 Mute

(Pictures for reference only)

PARTS DESCRIPTION

3.10 Control Board (This picture is only for PA95** with DVD, CD and MP3)

(1) MIC VOL.

(2) AUX VOL Volume control of external sound source.

(3) i-Pod / MP3 / DISC Volume Control.

(4) ECHO Control.

(5) TONE Control.

(6) MASTER Control.

(7) MIC Input Jack.

(8) AUX IN jack for external sound source (R).

(9) AUX IN jack for external sound source (L).

(10) AUX IN jack for external sound source.

(11) LINE OUT (R).

(12) LINE OUT (L).

(13) VIDEO OUT jack (DISC).

(14) Voice Priority Switch.

(15) Power Switch.

(16) Battery Power LED Indicator:

When battery is charging, the light is red.

When battery is fully charged, the light is green.

(17) Power LED Indicator: When voltage is high, it lights green; When voltage is low, it lights red.

(18) DC Power input jack.

(Pictures for reference only)

PARTS DESCRIPTION

4. Transmitter
4.1 Handheld Microphone
(1) Mesh & Capsule
(2) Power LED Indicator
(3) Low Battery LED Indicator
(4) CH Display Panel a. GP Number b. CH Number
(5) CH Adjust (UP)
(6) Channel Set Button And CH Adjust (DOWN)
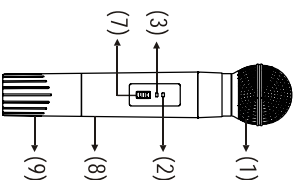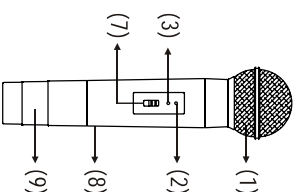(7) Power Switch
(8) Body
(9) Battery Compartment/ Cover
(10) Line In Jack
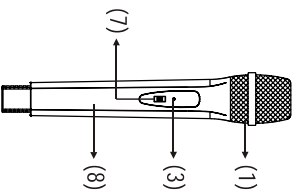(11) Colorful Frequency Recognition Tail
(12) Frequency Switch
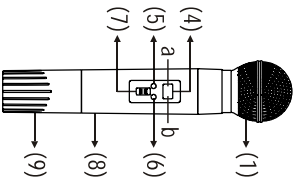
UHF PLL

UHF

UHF
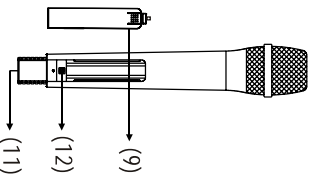
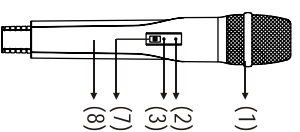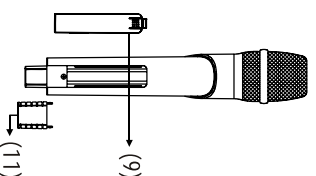UHF PLL

UHF PLL

VHF

VHF

(Pictures for reference only)

USER'S GUIDE

8. When system is on DVD amplifying status, or when system is on status of DVD, CD or VCD press audio key(18) for twice for left/ right /stereo and mixing setting.
NOTE: Different sounds were based on different disk, some dicks have one kind of sound mode only, after selecting required mode, the corresponding letters will be shown on the screen.

9. Pressing SUBTITLE(19) while playing, please note the following:
a. Language setting is defined by the languages of the disc.
b. Some discs has only one language.
c. When the language is selected, there will be marks displaying on the screen.
d. Setting subtitles only under DVD mode.

10. When system is on status of DVD, VCD, CD, set the programs in orderly: P00:00 will be shown on the screen when pressing PROG key(23) on the remote controller, at the same time, you can press the key(4) on the controller to program, then cooperate with direction key (13) to play (just on main menu or catalogue).

11. When system is on status of DVD, VCD and CD, press key(25) on remote controller, the songs will play at random.
NOTE: This function is ineffective when system is at the status of MP4. If the system is on status of MP3, press it one time for playing at random(if you press " previous " or " next" keys, this function is ineffective), press it again for playing orderly.

12. When system is on status of VCD, press MENU(27) on the remote controller to play PBC. Then songs list will be shown on the screen, then you can press key(4) for selecting the favourable songs. Press it again to cancel PBC function. When system is on status of DVD, press MENU(27) on the remote controller to return main menu. Then you can use key(4)to control. Press it again to enter title menu, Press it on the third time to close it.

13. Pressing SETUP(15) on the remote control to enter into main menu, You can use direction key (13) to set TV MODE, Voice, Multi-media, TV standard, Pin code etc (and also you can use default Parameters without making any change on parameters).

7.9 Audio-Video Player
7.9.1 Play
1.Swich on power supply, HDD player reads hard disk information, screen display HDD SCANNING....
2. HDD player reads catalogues automatically, screen showing signal menu as follow, such as: folder name , file name ,music name, etc.

USER'S GUIDE

E USB Connecting

Player can use the USB port(7) on the computer to transmit the document.

a. Check the USB port on your computer.

b. Using attached USB cable to connect the USB port and you computer.

c. If it is your first time to connect the player with PC and you have installed the proffered software on the PC, the PC will find the player. If you are using WIN98 system, please install the driver(software) then do the connection later.
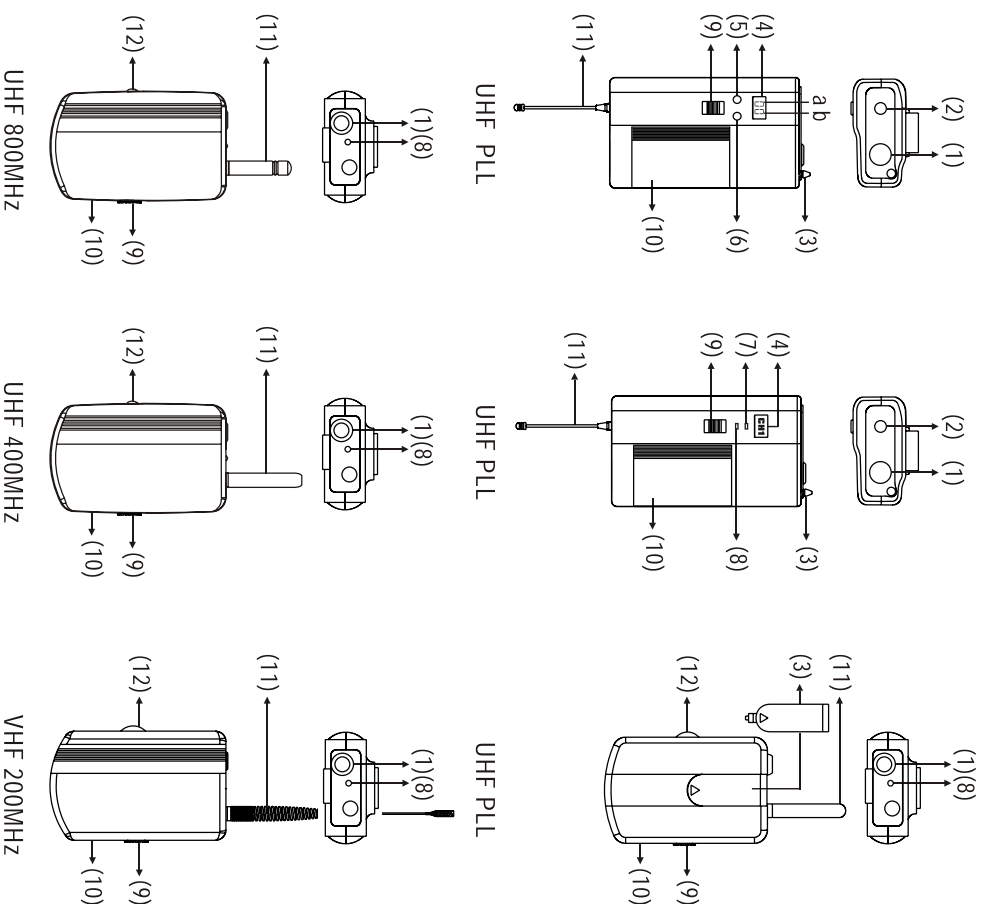
7.8 Slot-in DVD Player With USB

1. Please insert standard CD, VCD, DVD disk(12cm) into (1) disk slot.

2. When DVD player is working, but no disk in slot(1) or place the dick incorrectly, "NO DISC" will show on DVD screen(12). Re-place the disk correctly, DVD player will jump to the last song automatically after the "READING DISC" flash 6 times.

a. When DVD player is on playing status:

Press OSD keys(12) on remote controller, playing time will be shown on DVD screen, press it again, title left time will be shown on DVD screen, press it on the third time, section time will be shown, press it on the forth time, section left time will be shown.

b. On the status of VCD / SVCD / CD

Press OSD keys (12) on remote controller, program playing time will be shown on DVD screen, press it again, program left time will be shown, press it on the third time, the total time of disk will be shown, press it on the forth time, the left total time will be shown, press it on the fifth time to close.

3. Press key (5) on DVD player or key(9) on remote controller to play song. Press it again for pause. Press Key(2) or key(20) on remote controller to stop and jump to the last song automatically.

4. Press key(6) on DVD player or key (16) on remote controller to reject the disk, after 10mins, disk will be slotted in DVD player automatically.

5. When DVD player is on playing status, press key (10)/(11) for backward and forward with X2-X32 multiple. Press key(3) on DVD player or key(21) on remote controller for playing previous song, , press key(4) on DVD player or key(22) on remote controller for next song in ordinal.

6. Press key(7) on DVD player or key(17) on remote controller, DVD player will under DVD/MP3 playing mode. Press (8) on DVD player or (2) on remote controller to enter the USB playing mode.

7. When DVD is on AV playing status, press key(5)/(6) on remote controller to control the voice, press key(7)/(8) to control the tone, press(5) for VOL+, press(6) for VOL-, press (7) for rising tone, press (8) for falling tone. Press mute key(3) to eliminate the sound, press again to resume.

PARTS DESCRIPTION

VHF

(1)
(2)
(7)

VHF

(1)
(8)
(9)
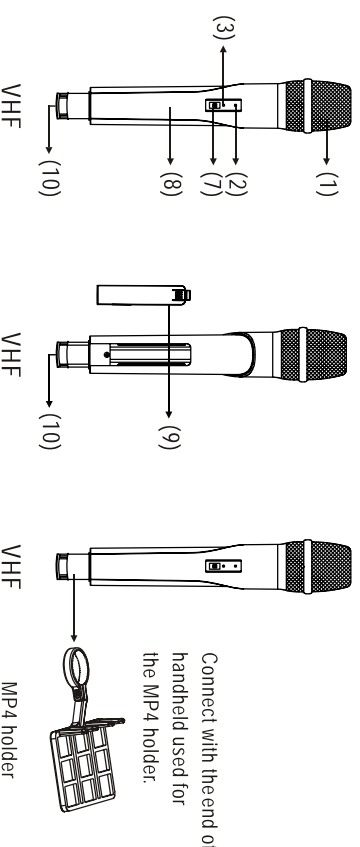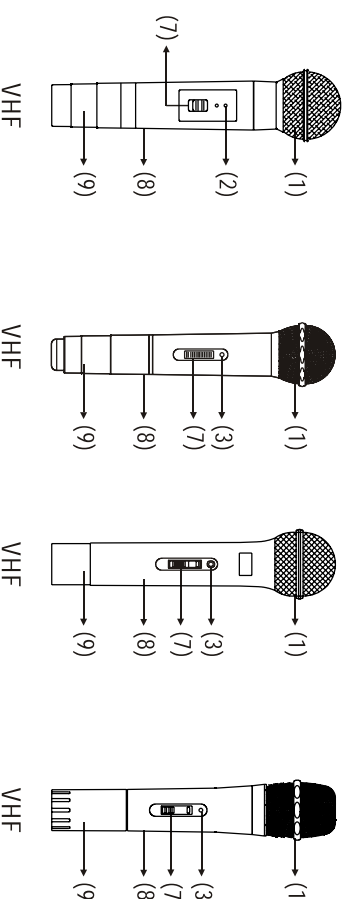
4.2 Body Pack Transmitter

(1) MIC-IN Jack

(2) Gain Control

(3) Small Screwdriver

(4) CH Display Panel a. GP Number   b. CH Number

(5) GP Adjust (UP)

(6) Channel Set Button And CH Adjust(DOWN)

(7) Power LED Indicator

(8) Low Battery LED Indicator

(9) Power Switch

(10) Battery Compartment: Insert 9V Battery.

(11) Antenna

(12) Volume Control

VHF

(3)
(8)
(7)
(2)
(10)
(1)

VHF

(1)
(3)
(7)
(8)
(9)

VHF

(10)
(9)

VHF

(1)
(3)
(7)
(8)
(9)

MP4 holder

VHF

(1)
(3)
(7)
(8)
(9)

Connect with the end of handheld used for the MP4 holder.

(Pictures for reference only)

PARTS DESCRIPTION & FEATURES

UHF PLL

a b

(2) (1)

(11)

(4)
(5)
(9)

(10)

(6)

(3)

(1)(8)

UHF 800MHz

(12)

(11)

(9)

(10)

UHF PLL

(11)

(2) (1)

(4)
(7)
(9)

(10)

(8)

(3)

(1)(8)

UHF 400MHz

(12)

(11)

(9)

(10)

UHF PLL

(3)

(11)

(12)

(10)

(9)

(1)(8)

VHF 200MHz

(12)

(11)

(9)

(10)

(1)(8)

5. Features

1. This portable amplifier is suitable for outdoor broadcasting and singing.
   Rechargeable battery can be easily exchanged for replacement.

2. It has high-quality rechargeable battery which is convenient for both indoor and outdoor using.

3. With economical design, multiple input /output can connect to work with several same machines, which is suitable for using in small convocation.

4. It also can be placed on the ground or stood on the tripod.

5. Echo design is suitable for teaching, singing and karaoke.

6. With 1 wired MIC input jacks and 2 wireless microphones. Suitable for many people using simultaneously.

(Pictures for reference only)

USER'S GUIDE

4. Press (6) to eject CD. After 10 seconds, CD will slot-in automatically.

5. Press (3) and (4) to fast backward and fast forward to choose songs. When CD is at working status, press (3) to play previous song, press (4) to play next song.

6. Press (7), CD is in playing CD/MP3 mode. Press (8), CD is in playing USB mode.

7.6 Speed Control Slot-in CD Player

1. Put the standard CD disk (12cm) into CD board.

2. Press (9), turn on the power switch, if there is no disk in (1), display (11) shows "NO DISK". When CD or MP3 is placed improperly, CD will jump out automatically.

3. Press (8), "REPEAT", "REPEAT ALL", "SHUFFLE" can be switched each other.

4. Press key (2), "PROGRAM" will jump on display (11), you can program your favourite songs.

7.7 Digital Record MP3 Player

1. After turning on the power the display will light.

2. Short press "PLAY/STOP" key (1), main menu shows "Music mode", "record mode", "voice mode" for selecting.

A After entering "music mode", short press key (1) to play music.

a. While music is playing, short press key (1) once entering the Sub-menu which includes "Next song, Last song", "Fast forward, Backward", "Tempo rate", "Equalizer", and "Exit".

b. Short press "REV" and "FWD" (5)/(4) to select items from sub-menu.
   Short press "PLAY/STOP" once confirming.

c. After entering above items, operation will be different and the functions of REV and FWD will be different also. Systems can be set by different operation and different purposes using.

B Record Mode

a. Select record mode, short press "PLAY/STOP" (1) to record. Short press "REC" (3) to pause recording, press (3) again to record again. Long press "PLAY/STOP" (1) to stop recording and saving the file.

b. When the record stop, long press "MODE" (2) to exit record mode and back to main menu.

C Voice Mode
   Short press "PLAY/STOP" (1) once to enter voice mode. Short press "FWD" and "REV" (5)/ (4) to select the recorded file. Short press "PLAY/ STOP" (1) to play.

D System Setting
   Short press "PLAY/STOP" (1) once to enter system setting mode. Short press "REV" and "FWD" (5)/ (4) to select desired functions, which including "Repeat", "Replay mode", "Contrast", "Memory info.", "Language", "Firmware version", "Record type" and "Exit".

USER'S GUIDE

7.3 Traytype CD Player

1. Press key (6) to eject the tray, put the standard CD disk (12cm) on the tray then press key (6) again to close it, LCD display will show the songs' total number and total playing time.

2. When CD player is on, LCD display (13) will show "NO DISK" if there is no disk on the tray (1). If disk is placed improperly, LCD display will show "ERROR". If disk is placed properly, CD player will jump to the first song and start to play automatically.

3. Press key (5) to start to play songs. Press it again to pause playing. Press Key (4) to stop playing.

4. Press key (9), CD player plays all the songs randomly. Press it again to cancel random playing mode.

5. Press key (7) to repeat the current song. Press it again to repeat all the songs. Press it again to cancel repeat playing mode.

6. Press fast backward key (2) and fast forward key (3) to select desired songs. When CD player is playing, press key (2) to play the last song and press key (3) to play next song.

7. Via program key (8) to program your favourite songs.

7.4 Slot-in type CD Player

1. Please insert the standard 12cm disc into CD slot (1).

2. When CD player is on, LCD display (10) will show "NO DISK" if there is no disk in (1). If disk is placed improperly, LCD display will show "ERROR". If disk is placed properly, CD player will jump to the first song and start to play automatically.

3. Press key (5) to start to play songs, Press it again to pause playing, Press key (4) to stop playing.

4. Press the key (3), the random-playback is activated < the display (10) shows SHUFFLE >. The CD player selects and plays the songs randomly until you cancel the random-mode.

5. Press key (7) to repeat the current song.

6. Press fast backward key (8) and fast forward key (9) to select desired songs. When CD player is playing, press key (8) to play the last song and press key (9) to play next song.

7. Via program key (2) to program your favourite songs.

7.5 Slot-in CD Player With USB

1. Please inert the standard 12cm disc into CD slot (1).

2. When CD player is on, LCD display (12) will show "NO DISC" if there is no disk in (1). If disk is placed improperly, LCD display will show "NO DISC". If disk is placed properly, CD player will start to flash "READING DISC"for 6 times and jump to the last song.

3. Press key (5) to start to play songs. Press it again to pause playing. Press key (2) to stop playing and return to last song.

FEATURES & SPECIFICATIONS

7. With CD player/ MP3 player/DVD player ON/ OFF switch to save power.

8. New type plastic enclosure, multifunction configuration.

6. Specifications
6.1 Wireless Transmitter

Modulation Mode	FM	FM
Oscillation Mode	Crystal	PLL Synthesized
Channel Number	1CH	1CH / 16CH
Frequency Range	VHF 170-250MHz	UHF PLL 400-900MHz
Frequency Stability	±0.0005%	±0.0005%
Modulation Factor	15K(±3K)	25K(±3K)
Transmitting Power	10dBm±0.5dB	10dBm±0.5dB
Spurious Emission	>40dBm	>40dBm
Frequency Response	80Hz-12KHz(±3dB)	80Hz-18KHz(±3dB)
SNR	>70dB	>85dB
Distortion	1% 1KH 50mV	<1%
Power Source	3V & 9V	3V & 9V
Current Consumption	150mA±20mA&50mA±10mA	150mA±20mA&50mA±10mA

6.2 Wireless Receiver

Modulation Mode	FM	FM
Frequency Range	VHF 170-250MHz	UHF 400-900MHz
Frequency Stability	±0.0005%	±0.0005%
Sensitivity	5uV S/N>20dB	-95dB S/N>40dB
Adjacent Channel Rejection	>40dB	>80dB
Image and Spurious Rejection	>60dB	>80dB
AF Output	450mV±50mV	450mV±50mV
SNR	>70dB	>85dB
Distortion	<2%	<1%
Power Source	8V	12V
Current Consumption	60mA±10mA	130mA±20mA

6.3 Amplifier Systems

Power Output	Output Power With Battery 30W、 Output Power With DC 30W
Speaker	Speaker 8" 1PC(40W)
Recharge Battery	12V /5A1PC
Distortion	1% (at 10W)
Frequency Response	80Hz-15KHz±3dB
Input	Wireless / Wired MIC IN、AUX IN
Output	LINE OUT、VIDEO OUT(DVD)
Recharging Time	7-10Hours
Working Time	3-4 Hours
Current Consumption(Max）	5A

USER'S GUIDE

7. User's Guide
7.1 Handheld Microphone Instruction
7.1.1 VHF AND UHF

1. Open battery cover (9), then insert battery (pay attention to the positive and negative pole). Close battery cover.

2. Turn on microphone power switch (7), power LED indicator (2) will light, low battery indicator (3) will flash once then off. When low battery indicator (3) lights red, it indicates battery power is low. Change battery for continuous use.

3. When switching on microphone power, please operate the switch step by step. When the switch moves to the centre, please stay for at least 0.2 second or it will cause some noise.

7.1.2 UHF PLL 16CH

1. Open battery compartment (9), insert attached 9V battery into battery compartment and then close battery cover.

2. Turn on power switch (7), LCD panel (4) will display the channel set at last using time.

3. Group adjust: Press GP button (5) for about 3 seconds, GP number on LCD will flash. Release GP button (5), now GP button changes to UP function and CH button (6) changes to DOWN function, press GP button to move GP UP or CH button to move GP down.

4. Channel adjust: Press button (6) for about 3 seconds, CH number on LCD panel will flash, others adjustments are the same as Group adjust as above.

5. After setting, release all buttons, channel will flash about 3 seconds and then stop, frequency will be locked and saved.

6. After 30 seconds if no button is pressed, LCD panel will show battery power. Press button (5) or button (6), LCD panel will display GP、CH.
Note: If microphone LCD panel displays "LO", it means battery power will be exhausted. Please exchange new battery. In the meanwhile, microphone will still work normally for about 3 minutes. After 3 minutes microphone will stop working if battery is not replaced.

7. Take out battery if microphone is not going to be used for a long period of time.

7.2 Body Pack Transmitter Instruction
7.2.1 VHF AND UHF

1. Open battery cover (10), then insert battery (pay attention to the positive and negative pole).

USER'S GUIDE

2. Turn on power switch (9), power LED indicator (7) will light, low battery indicator (8) will flash once then off (with power saving function design). When low battery indicator(8)lights red, it indicates low battery. Please change battery for continuous use.

3. Insert attached headset MIC or lavalier MIC into MIC-IN jack (1).

4. Use attached screwdriver (3) to adjust gain control (2) to have appropriate volume. Adjust volume knob (12) until main unit is in appropriate receiving volume.
Notes: 1. Turn on body pack transmitter power switch, RF LED indicator on control board or on module receiver will light.
2. When using body pack transmitter, please extend the cord of headset MIC or lavalier MIC for better receiving effect.

7.2.2 UHF PLL 16CH

1. Open battery compartment (10) firstly, insert the attached 9V battery into it and then lock the cover to close the compartment .

2. Turn on power switch (9), LCD panel will display the channel set at last using time.

3. Group adjust: Press GP button (5) for about 3 seconds, GP number on LCD will flash. Release GP button (5), now GP button changes to UP function and CH button (6) changes to DOWN function, press GP button to move GP UP or CH button to move GP down.

4. Channel adjust: Press button (6) for about 3 seconds, CH number on LCD panel will flash, others adjustments are the same as Group adjust as above.

5. After setting, release all buttons, channel will flash about 3 seconds and then stop, frequency will be locked and saved.

6. After 30 seconds if no button is pressed, LCD panel will show battery power. Press button (5) or button (6), LCD panel will display GP、CH.
Note: If microphone LCD panel displays "LO", it means battery power will be exhausted. Please exchange new battery. But the microphone will still work normally for about 3 minutes. After 3 minutes microphone will stop working if battery is not replaced.

7. Insert attached headset or clip-on MIC into body pack transmitter MIC-IN jack. Use attached screwdriver (3) to adjust volume control (2) to have appropriate volume.

FCC warning statement

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

Changes or modifications not expressly approved by the party responsible for compliance. could void the user's authority to operate the equipment.