



VICTORY 2000

Modulized Wireless Portable Amplifier System

Operation manual



ISO 9001:2008



IF DESIGN AWARD



HKEIA AWARD



TAIWAN EXCELLENCE



TAIWAN GOOD DESIGN



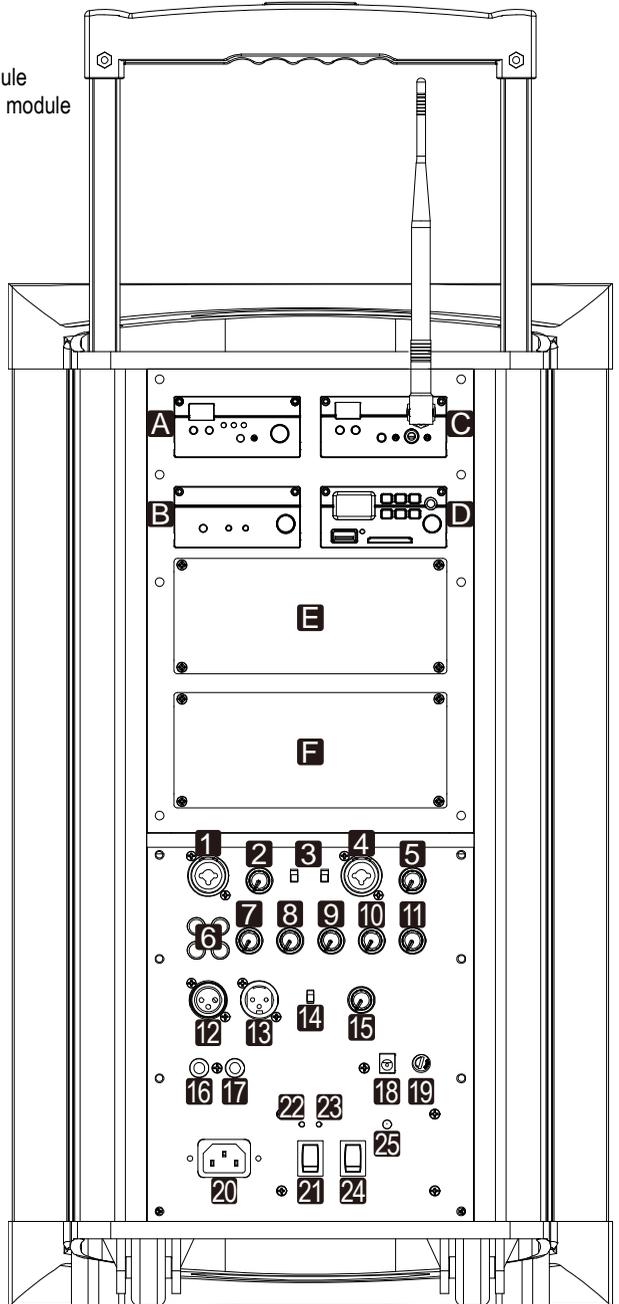
GREEN PRODUCT



VICTORY 2000 (Master)

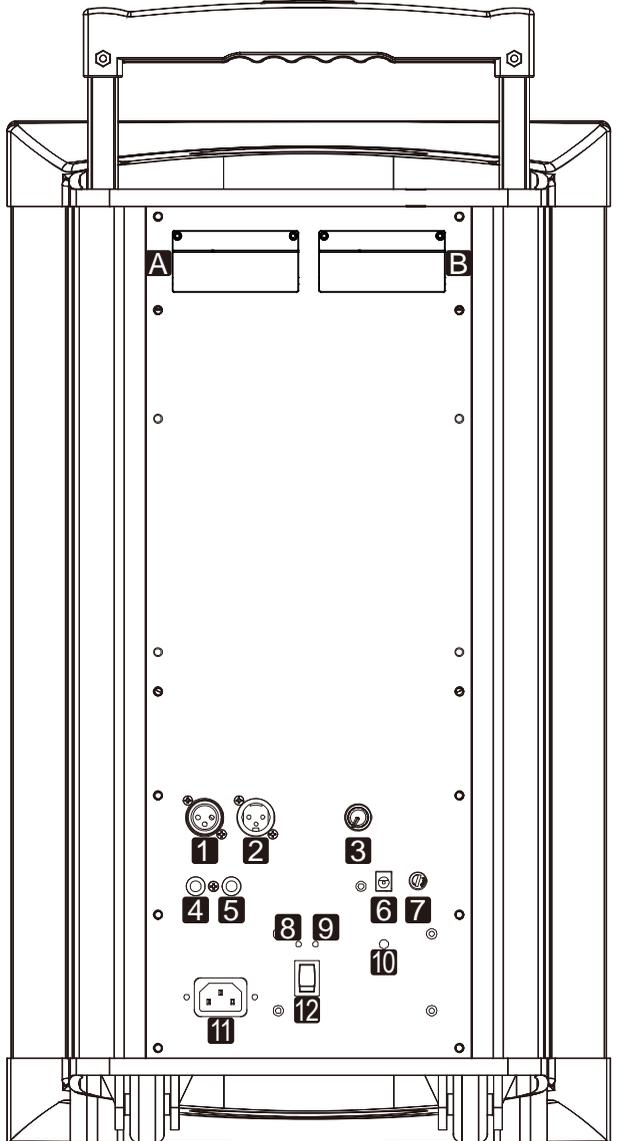
- A,B&D. Slot for receiver/MP3/Bluetooth module
- C. Slot for receiver/transmitter/MP3/Bluetooth module
- E. Slot for CD player/DVD player
- F. Slot for Digital recorder player

1. Mic-1 input
2. Mic-1 volume control
3. Music or speech mode selector
4. Mic-2 input
5. Mic-2 volume control
6. Line input/output
7. Line-in volume control
8. Tape/DVD power+volume control
9. Tone volume control (BASS)
10. Tone volume control (TREBLE)
11. Master volume control
12. Slave input
13. Slave output
14. Master/slave selector switch
15. Master/slave volume control
16. Speaker out (switched)
17. Speaker out (unswitched)
18. 24~32V DC input
19. Fuse
20. AC input
21. Power switch
22. Power status indicator (RED)
23. Power status indicator (GREEN)
24. Voice priority
25. Charging indicator



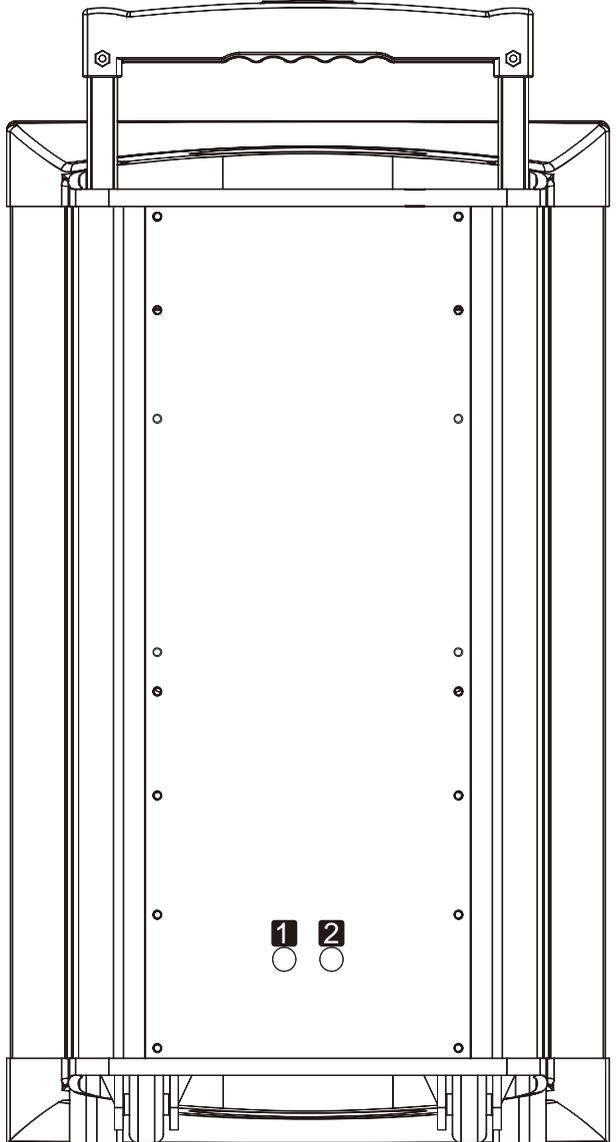
VICTORY Companion powered speaker

- A. Slot for receiver/MP3/Bluetooth module
- B. Slot for receiver/transmitter/MP3/Bluetooth module
- 1. Audio link input
- 2. Audio link output
- 3. Volume control
- 4. Speaker out (switched)
- 5. Speaker out (unswitched)
- 6. 24~32V DC input
- 7. Fuse
- 8. Power status indicator (RED)
- 9. Power status indicator (GREEN)
- 10. Charging indicator
- 11. AC input
- 12. Power switch



VICTORY Companion passive speaker

1. Speaker input
2. Speaker output



Operating procedures

After unpacking the unit for the first time, please charge the unit for at least 6 hours before operation. This is absolutely necessary as the built-in rechargeable batteries might have been discharged naturally due to long shipment and storage time, even though it has been fully charged in the factory prior to shipment.

To operate this portable sound unit, switch on the main POWER switch, the GREEN LED above it will glow. However, if the RED LED also glows at the same time, it means the battery is getting weak and a recharge of the battery is necessary.

The main POWER switch does NOT switch on the other devices as each of them has individual Power/Volume control. To operate each of them, you must switch them on accordingly.

Operating the dynamic wired microphone

To use a cable microphone, simply plug it into any MIC IN socket. The mic socket accepts both phone and Cannon jack. Rotate the dedicated volume control knob and master volume control, amplified sound could be heard from the speaker when voice is spoken into the cable microphone.

When a full range high fidelity sound is emphasized, the mode selector should be put to MUSIC. For vocal frequencies where better clarity and projection is emphasized, put the mode selector to SPEECH and this will produce more mid-range frequency.

Operating the wireless microphone system

To operate the wireless system, just switch on the power/volume control on the module panel and the matching transmitter. Please set the same channel on both the transmitter and receiver before operation. Please as well make sure that master volume control is set to minimum level before turning the unit on, especially working on a wireless version! Set the Master volume control to the mid position. Rotate the volume control knob on receiver panel clockwise to the desired levels. When voice is spoken into the microphone, amplified sound should be heard over the built-in speaker.

Voice Priority (Ducking) operation

Voice Priority operation is only necessary when CD or other acoustic device is playing. If the Voice Priority switch is put to ON position, the ducking function will be activated. While the music is playing, a voice input from either a wired or wireless microphone will temporarily override and turn down the volume of the background music and voice could be heard clearly. Background music will return to its original setting when no audio input is entering the microphone for a certain time. However, if the microphone is not switched off, the music entering the microphone will also activate the voice priority function. So, Voice priority is best operated using microphones with on/off switch.

Battery Charging

Internally, the VICTORY 2000 contains two 12V/5AH maintenance free lead acid batteries, which have no memory effect.

When the batteries are weak, the power status indicator would stay RED. To charge the batteries, simply plug in the AC power supply, the charging process will start automatically.

While charging, the charging indicator will flash GREEN. When batteries are fully charged, the charging indicator will stay GREEN.

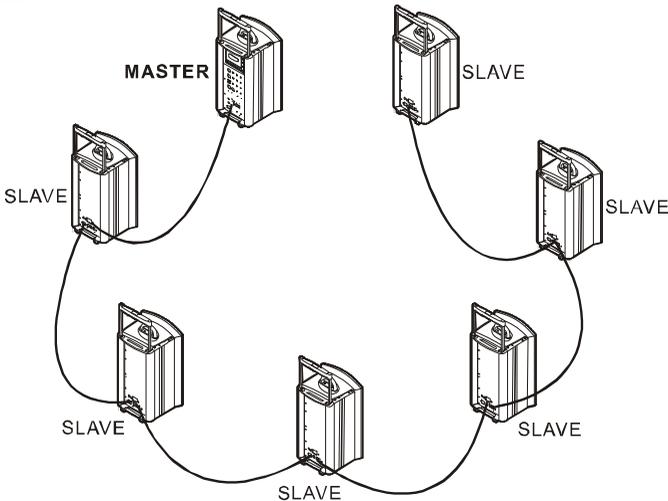
Speaker Out (switched)

When an external speaker is connected to this output, the internal speaker of VICTORY 2000 will be muted and only the external speaker will have sound.

Speaker out (unswitched)

When an external speaker is connected to this output, both the internal speaker of VICTORY 2000 and the external speaker will have sound.

Wired Audio Link



The VICTORY 2000 could be operated as MASTER as well as SLAVE. This depends on the setting of Master/Slave selector switch. However, the VICTORY Slave can only be operated as SLAVE.

In order to operate Audio Link, you must have a VICTORY 2000 unit that operates as a MASTER. Only one unit is allowed to act as MASTER and the other(s) MUST operate as SLAVE(s). A MASTER unit is capable of connecting up to about 20 SLAVE units.

For the MASTER unit, the MASTER/SLAVE selector switch must be set to MASTER mode. The VICTORY SLAVE unit does not have this selector. If you have two units of VICTORY 2000, you could use one as Master and the other VICTORY 2000 as slave. To do that, just put the MASTER/SLAVE selector switch of the second VICTORY 2000 to SLAVE mode. For the MASTER unit, Audio Link IN jack should NOT be connected.

To operate Audio Link, connect the Output jack of the MASTER to the Audio Link IN jack of the 1st SLAVE unit. The Output jack of this SLAVE should be connected to the Input jack of the 2nd SLAVE unit. Similar connection shall continue as such for the following SLAVE units.

Volume Control for MASTER or SLAVE

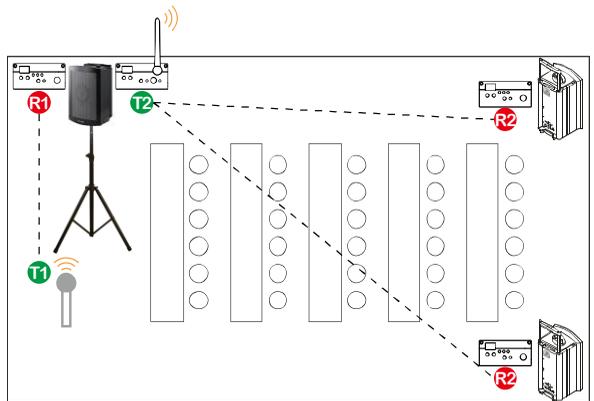
When used on the MASTER, it controls the MASTER as well as all the SLAVE units. When used on the SLAVE unit, it only controls that particular SLAVE unit volume. Maximum number of SLAVE units to be connected with a MASTER is about 20.

Remark : There should NOT be a connection between the last SLAVE unit output and the input of the MASTER unit.

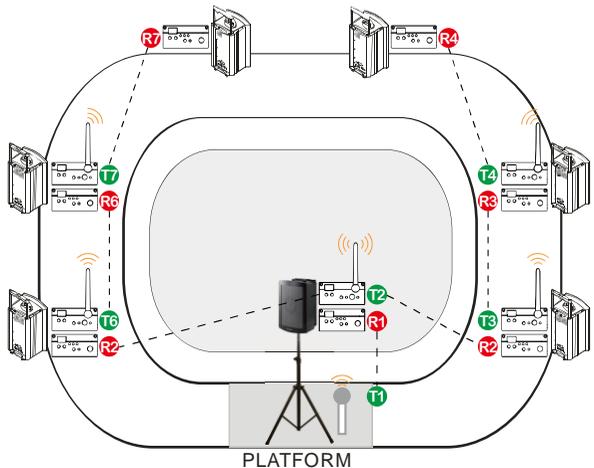
Wireless Audio Link

Different from Wired Audio Link, with new SLAVE's capability of installation of receiver and transmitter modules it eliminates all cable connection and largely extends the number limit of SLAVES.

- Application: For crowds of 1000 to 2000. (e.g., speeches or forums)
- Configuration: One Master + several SLAVES (with receiver module built in)

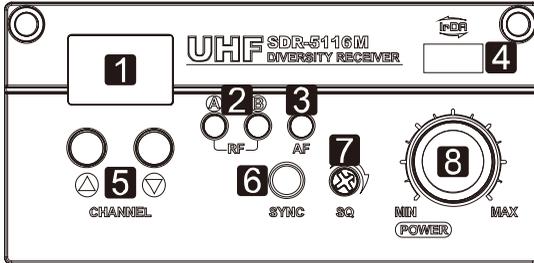


- Application: For crowds of over 3000. (e.g., stadiums)
- Configuration: One Master + several SLAVES (with receiver and transmitter module built in)



T:Transmitter R: Receiver **Module number:1,2,3,...**
T1 goes to R1, T2 goes to R2, T3 goes to R3, T4...

SDR-5116M/SDR-5100M IrDA receiver modules



1. Channel indicator
2. Diversity A/B indicator
3. Audio signal indicator
4. IR sensor area (SDR-5100M IrDA)
5. Channel Selector
6. IRDA synchronizing button (SDR-5100M IrDA)
7. Squelch control
8. Power switch/volume control

First turn on the Power of the main unit. Then turn on the individual power of the receiver module. Select a channel that corresponds to the transmitter. When transmitter is turned on, either A or B diversity indicator will flash to indicate that signal has been received.

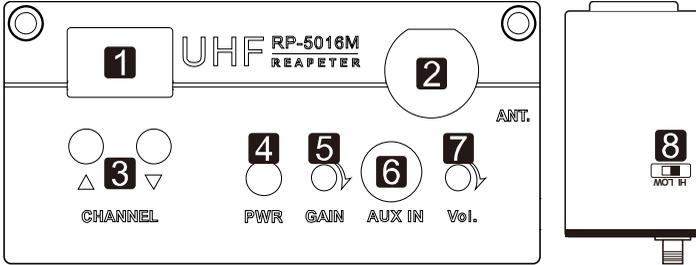
SQUELCH (SQ) setting

When a channel is in use and undesired interference signal is received, turn the SQ in clockwise direction to make the receiver less sensitive and thus less susceptible to interference. If this still does not solve the problem, it means this frequency is not applicable at current position. Please switch over to the next channel.

Channel synchronizing of the receiver and microphone (SDR-5100M IrDA)

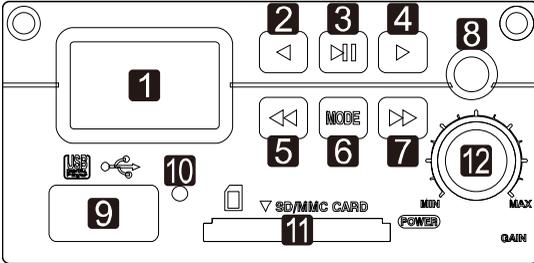
1. Limit the distance between the receiver and transmitter within 30cm.
2. Align both IR sensor areas
3. To change the receiver's channel, please press the synchronizing button of the microphone. The microphone's LED will glow to imply synchronizing signal transmitted and the receiver's channel LED will flash then change to new channel. If the channel LED shows "EC", it means the receiver and microphone don't have the same frequency band and synchronization isn't doable.
4. To change the microphone's channel, please press the synchronizing button of the receiver. The channel LED will flash to transmit synchronizing signal to the microphone. If its LED shows "EC", it means the receiver and microphone don't have the same frequency band and synchronization isn't doable.

RP-5016M transmitter module

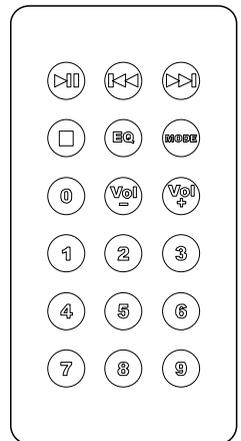


1. Channel indicator
2. Antenna socket (TNC type)
3. Channel selectors: Press ▲(up)▼(down) to increase/decrease channel number. Please select a non-interfering frequency channel to those used in the receiver modules.
4. Power control
5. Unit GAIN control: This controls the GAIN level of interior audio sources.
6. 3.5mm audio input jack
7. AUX IN GAIN control: This controls the GAIN level of external audio input.
8. Output power setting: LOW (left) for Low output power and HI (right) for high output power. Low output power will reduce the RF transmission distance and High output power will extend the possible RF transmission distance. However, if the module is installed on battery-powered amplifiers, HIGH output power would reduce more operation time than LOW output power since it requires more power for longer RF transmission.

DP-500M MP3 module



remote control ▶



1. LCD display
2. Press to return to previous track, press and hold to fast reverse.
3. Press to play/pause
4. Press to go to next track, press and hold to fast forward.
5. Press to return to previous folder.
6. Press to change play modes, press and hold to switch repeat modes.
7. Press to go to next folder.

8. IR sensor area
9. USB input
10. USB/SD indicator: The LED flashes during play and extinguishes when stop.
11. SD card input
12. Power switch/volume control

To use the USB/SD digital player, simply plug your USB/SD card into the port after the player is turned on. To prevent any possible damage to the USB/SD card, always detach it after the player has been shut off.

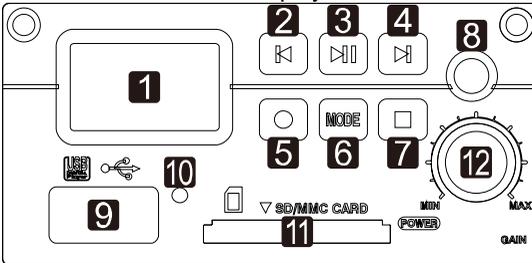
Operating functions on the panel and the remote

Operating function	On the panel	On the remote
Play/pause	Press ►	
Skip forward	Press ►	Press ►►
Fast forward	Press and hold ►	Press and hold ►►
Skip backward	Press ◄	Press ◄◄
Fast backward	Press and hold ◄	Press and hold ◄◄
Next folder	Press ►►	-
Previous folder	Press ◄◄	-
Track select (button #0-9)	-	input track number, then press ►
Repeat mode switch (ALL/RANDOM/SINGLE/FLDGER)	Press and hold MODE	Press MODE
EQ mode switch (POP/ROCK/JAZZ/CLASSIC/COUNTRY/NORMAL)	Press MODE	Press EQ

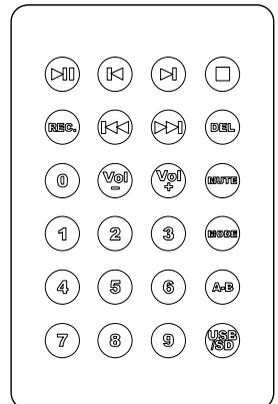
※Remarks:

1. Changes of tracks, EQ and play modes will only be saved 5 seconds after the setting.
2. If the SD or USB are not detected, please try by inserting it again.
3. The player reboots to read whichever is last inserted.
4. This player can read MP3 files only. Other formats such as WMA and WAV aren't supported.
The USB and SD card must be FAT/FAT32 formatted.

DPR-500M MP3 recorder player module



remote control ►



1. LCD display

2. Press to return to previous track, press and hold to fast reverse.
3. Press to play/pause.
4. Press to go to next track, press and hold to fast forward.
5. Press to record.
6. Press to switch repeat modes.
7. Press to stop playing or recording.
8. IR sensor area
9. USB 2.0 input
10. USB/SD indicator: The LED flashes green during playing and red during recording. It lights red if there is no track to play, lighting green when playing or recording stops.
11. SD card input
12. Power switch/volume control

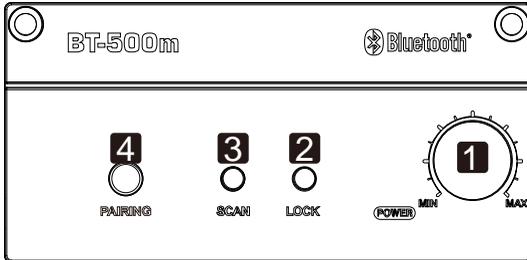
Operating functions on the panel and the remote

Operating function	On the panel	On the remote
Play/pause	Press ▶ 	
Record	Press ● to record and ■ to stop.	Press REC to record and ■ 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 ▶▶
Previous folder	-	Press ◀◀
Track select (button #0-9)	-	input track number, then press ▶II
USB/SD switch	-	Press USB/SD
Repeat mode switch (ALL/RANDOM/SINGLE/FLDER)	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

※Extra attention to recording

1. Recordable only when USB/SD is detected.
2. Record files will be stored in the RECORD folder of USB/SD.
3. The files will be named as FILE_001, FILE_002, FILE_003...etc.
4. The name of a deleted track won't be applied to its next one.
5. Recordable until FILE_999 appears with LCD displaying Num Full.
6. LCD displays USB FULL or SD FULL when insufficient memory left.
7. LCD displays SD LOK if the SD is locked.
8. Don't remove the USB/SD during the recording process in case the interrupted track might be damaged.

BT-500m Bluetooth receiver module



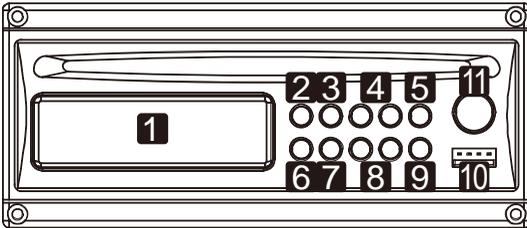
1. Power/volume control
2. LOCK LED
3. SCAN LED
4. PAIRING button

Matching instruction

1. Turn on BT-500m and both SCAN and LOCK LEDs will flash alternatively.
2. Activate Bluetooth on your device and search new external Bluetooth devices.
3. Find and connect to “Bluetooth Speaker” that appears on your option list.
4. Once connection is made, the LOCK LED will flash green.
5. Pressing PAIRING button can cut the connection.

Operating the CD player

Parts and functions



- | | | |
|-----------------|--------------------|---------------------------|
| 1. LCD display | 5. Eject | 9. Infrared receiving LED |
| 2. Play/pause | 6. CD/USB selector | 10. USB input |
| 3. Stop | 7. Repeat | 11. Power/volume control |
| 4. Rev-Skip-Cue | 8. Folder skip | |

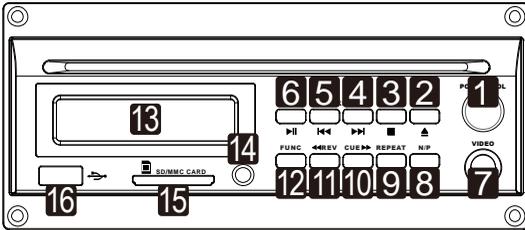
Keys	Functions	Panel	Remote
PLAY/PAUSE	When this key is pushed during CD stop, play will start after track search. When this key is pushed during CD is playing, it will be changed to pause. When this key is pushed during CD is pausing, it will be changed to play.	V	V
STOP	When CD is not stop, if this key is pushed then CD will stop.	V	V
FUNC	When press this key will change between CD and USB mode.	V	V
UP/CUE	In stop mode: Change the starting play track (file) during stop mode, cyclic to the first track, if it is in the last track. In program entry mode: Change to the next track(file) for program select . In play mode, pause mode, program play mode, random play mode: Single pressed, skip the playing track (file) to next track (file) for normal play/pause mode, to next program index track(file) for program play/pause mode, to next random track(file) for random play /pause mode. Continue pressed, fast forward during play/pause when pressed more than 0.7sec.	V	V
DONW/REV	In stop mode: Change the starting play track (file) during stop mode, cyclic to the last track, if it is in the first track. In program Entry mode: Change to the previous track (file) for program select. In play mode, pause mode, program play mode: Single pressed, skip the playing track (file) to precious track (file) for normal play/pause mode, to previous program index track (file) for program play/pause mode. Continue pressed, fast reverse during play/pause when pressed more than 0.7sec.	V	V

FOLDER-UP	In stop mode: Skip the starting play folder to next folder during stop mode, cyclic to the first folder if it is in the last folder. In program entry mode: Change the file for program select to next folder's first file, cyclic to the first folder if it is in the last folder. In normal play mode: Skip the playing file to the next folder's first file.	V	V
FOLDER-DOWN	In stop mode: Skip the starting play folder to previous folder during stop mode, cyclic to the last folder if it is in the first folder. In program entry mode: Change the file for program select to previous folder's first file, cyclic to the last folder if it is in the first folder. In normal play mode: Skip the playing file to the previous folder's first file.	V	V
REPEAT	In mp3 mode and in USB mode . If this key is pushed, PLAY mode is changed cyclically shown below. PLAY ALL RANDOM→REPEAT TRACK→REPEAT FOLDER→REPEAT ALL→RANDOM REPEAT→PLAY ALL IN CD mode If this key is pushed, PLAY mode is changed cyclically shown below. PLAY ALL RANDOM→REPEAT TRACK→REPEAT ALL→RANDOM REPEAT→PLAY ALL.		V
EJECT	When this key is pushed, door is moved out.	V	V
PROG	Set to programming mode. When programming mode, "stop" key is pushed then program is all cleared.		V
MUTE	When this key is pushed during CD is playing, the set will mute the output. Pushing again can recovery the output.		V
POWER	Power SW of the set.	V	V
ESP	In CDDA mode, Press "ESP" key, The ESP display lighted and the set is in electronic anti-shock state. The electronic anti-shock time is about 40 seconds. Press "ESP" key again, cancel the ESP function.		V
ID3	When this key is pressed , the "ID3" in the LCD display will flash, and the ID3 TAG is displayed pressing this key again will cancel the ID3 function		V
0~10	You can use these keys to select the track you want directly.		V
VOL.-	When this key is pushed, the volume will decrease by 1dB per step, the min. volume is 0dB.	V	V
VOL.+	When this key is pushed, the volume will increase by 1dB per step, the max. volume is 30dB.	V	V

Caution: This player does not accept 8-cm diameter CD. User is advised to have the USB 2.0 formatted in "FAT" or "FAT 32". The built-in USB 2.0 player can not be able to read the MP3 files stored in your USB if it is not formatted by either "FAT" or "FAT-32". To avoid damage to the USB, remember to detach it only after switching off the player.

Operating the DVD player

Parts and functions



- | | | |
|-------------------------|---------------------|-------------------|
| 1. Power/volume control | 7. Video output | 13. LCD display |
| 2. Eject | 8. N/P | 14. IR LED |
| 3. Stop | 9. Repeat | 15. SD card input |
| 4. Skip/forward | 10. Cue | 16. USB 2.0 input |
| 5. Skip/reverse | 11. Rev | |
| 6. Play/pause | 12. Function switch | |

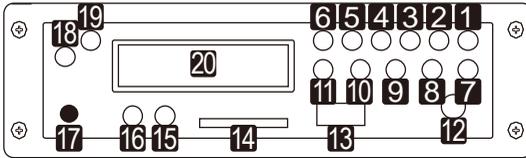
Keys	Finction	Panel	Remote
PLAY/PAUSE	When this key is pressed during stop, play will start. When this key is pressed during CD or DVD is playing, then it is changed to pause. When this key is pressed during CD or DVD is pausing, then it is changed to play.	V	V
STOP ■/)	When this key is pressed during playing, the set is changed to stop. The stop point is memorized. Then pressing PLAY/PAUSE key, the set will play from the stop point. When this key is pressed twice during playing. The set is changed to stop, then pressing PLAY/PAUSE key, the set will play from the beginning.	V	V
FUNC	When this key is pressed, mode is changed between USB and disk.	V	V
CUE ►►	In play state, press "CUE" key to carry out the fast play. Every press the key, the play speed will change for one time X2, X4, X8, X20 and normal in sequence.	V	
◄◄ REV	In play state, press this key to carry out the fast backward play. Every press the key, the backward play speed will change for one time.X2,x4,X8,X20 and normal in sequence.	V	
N/P	Press the key to change the TV system in the following sequence: PAL→AUTO→NTSC→PAL→...	V	V
EJECT ▲	Press this key, the disk will move out. If the disk is not taken away, press this key again, the disk will slot in.	V	
REPEAT	The default is REPEAT ALL IN MP3 WMA state ,the repeat sequence is as following: REPEAT 1→REPEAT DIR→REPAT ALL→REPEAT 1→... In CD playing state , the repeat sequence is as following: REPEAT 1→REPAT ALL→REPEAT 1→...	V	V
PROG	After programming, the player will play the title, chapter or songs follow the programmed order. Press PROG button ,the menu will display on the screen as following:		V

	<table border="1"> <tr> <td colspan="4">PROGRAM</td> </tr> <tr> <td>1--:--</td> <td>5--:--</td> <td>9--:--</td> <td>13--:--</td> </tr> <tr> <td>2--:--</td> <td>6--:--</td> <td>10--:--</td> <td>14--:--</td> </tr> <tr> <td>3--:--</td> <td>7--:--</td> <td>11--:--</td> <td>15--:--</td> </tr> <tr> <td>4--:--</td> <td>8--:--</td> <td>12--:--</td> <td>16--:--</td> </tr> <tr> <td colspan="2"></td> <td>play</td> <td>clear</td> </tr> </table> <p>In the picture T means TITLE, C means CHAPTER. The divided unit of DVD disc is title, and can divide the title for several chapters. Usually one movie has one title. Some disc are not divided in this way, please pay attention to it when operate GOTO” and “PROG” function. Input relevant title, chapter that you want with the arrows and number keys. Use ↑↓←→ to move the cursor to “PLAY” in the picture above, then press “ENTER” button .the player will start playing follow the programmed order. Also use the same way to move the cursor to “CLEAR” and press “ENTER” button can clean the programmed order. Press “PROG” key again will exit the program mode.</p>	PROGRAM				1--:--	5--:--	9--:--	13--:--	2--:--	6--:--	10--:--	14--:--	3--:--	7--:--	11--:--	15--:--	4--:--	8--:--	12--:--	16--:--			play	clear		
PROGRAM																											
1--:--	5--:--	9--:--	13--:--																								
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3--:--	7--:--	11--:--	15--:--																								
4--:--	8--:--	12--:--	16--:--																								
		play	clear																								
MUTE	When this key is pressed during disc is playing, the set will mute the audio output. Press again to recover the output.		V																								
POWER	Power switch of the set.	V	V																								
GOTO	Press GOTO to reach the title, chapter or time you want.		V																								
OSD	In play state, press OSD key, the play information of the disc will show on the screen. Press it again, the OSD information will disappear.		V																								
PBC	The key only act for VCD disc.		V																								
AUDIO	In play state, press “AUDIO” key can choose different audio channels in the DVD disc.		V																								
ZOOM	In play state, press “ZOOM” key ,the display screen will zoom by 2X, 3X, 4X, 1/2X, 1/3X, 1/4X and normal play.		V																								
SLOW	Press “SLOW” key ,the set will become slow motion as following cycle: SF 1/2→SF 1/3→SF 1/4→SF 1/5→SF 1/6→SF 1/7→normal→SF 1/2→...		V																								
↑↓←→ ENTER	Cursor move keys and confirm keys.		V																								
REV-SKIP- CUE	Press one of these keys to skip to the next track, long press one of these keys will search forward or backward.	V	V																								
ANGLE	Press “ANGLE” key to choose different angles of the disc that recorded with multi-angle. It is not useful when the DVD disc doesn't support multi-angle.		V																								
RANDOM	When this key is pressed, it will become random play mode.		V																								
SUB-T	In play state press “SUB-T” button to choose the different subtitles in the DVD disc.		V																								
SETUP	Press “SETUP” key to enter setup manual.		V																								
TITLE	Press “TITLE” key the screen will show title and manual for selection.		V																								

VOL.-	When this key is pressed, the volume will decrease by 1dB per step, the minimum volume is 0dB.		V
VOL.+	When this key is pressed, the volume will increase by 1dB per step, the maximum volume is 40dB.		V
0~9;10+	You can use these keys to select the track you want directly.		V

Operating the Digital recorder player

Parts and functions



- | | | |
|------------------------------|---------------------|-----------------------|
| 1. Play/Pause | 8. Program/Repeat | 15. Copy |
| 2. Stop | 9. Forward | 16. Record |
| 3. SD/USB selector | 10. Reverse | 17. Infrared detector |
| 4. Track number button "1" | 11. Folder selector | 18. Power on/off |
| 5. Track number button "10" | 12. Volume control | 19. Delete |
| 6. Track number button "100" | 13. USB 2.0 input | 20. LCD display |
| 7. A→B play section | 14. SD card input | |

Features

- Recording through the Line-in recording directly to a USB or SD Card
- Offer USB and SD Card function of each replication.
- Recording format is most popular MP3 audio format.
- Accept the capacity of 128MB to 16G USB/SD Card/SDHC
- With a language learning function, can be broadcast repeatedly at designated areas
- Adjustable recording quality, provide choice of 44.1 KHz, 128 Kbps and 192Kbps.
- Able to store up to 99 folders, or 999 tracks in SD Card or USB

Easy to use

- Play through the LINE IN audio recording files into the directory folder simply select "REC"
- Play copied USB or SD Card copy files into the directory folder simply select "CPY"
- Direct delete function when plan single song
- Can copy single, multiple songs or whole folder

Operation and function of the use of panel description

POWER: Switching power on/off.

VOLUME: Volume control button, turning to adjust the volume

USB socket: To insert a USB storage device

SD CARD socket: To insert a SD CARD

100/10/1: The number buttons to select directory, or track.

- Button 1, indicating the single digit 1 to 9, press once to increase every 1 single digit.

- Button 10, indicating the 10-digit, press once to increase every 10-digit. If total tracks are 88, the LCD display will only show to "8". Keep pressing will back to "0".

- Button 100, indicating the 100-digit, press once to increase every 100-digits. If the total tracks below the 100, the button has no effect.

FOLDER: Folder selection key and adjust the recording quality

-Select folder

Press FOLDER button, LCD screen display F, then REW or F. FWD button with the numbers 0 to 9 button to select the directory . Double-click the Cancel catalog select, LCD screen, "F" disappears

-Recording quality adjustment: Press FOLDER button more than 3 seconds can choose the recording quality. Press REW or F. FWD key to select 44.1 KHz,128Kbps or 192Kbps

Recording

■REC: Recording function key, need to use this key to record through the Line-in channel
When USB and SD Card are both in the device

- Press the REC button and LCD display flashing to indicate will be recorded to USB or SD.
- Use USB/SD button to select the option to record to USB or SD card.
- Press REC to start to record, the LCD will display “WAIT- -REC” then change to “STAND BY”. Now press “REC” again and LCD will flash to indicate the recording is functioning. Press STOP button to stop recording.

When only single USB or SD Card in the device

- Press REC to start to record, the LCD will display “WAIT- -REC” then change to “STAND BY”. Now press “REC” again and LCD will flash to indicate the recording is functioning. Press STOP button to stop recording.

Sound recording through the REC function keys are saved in the directory folder REC

-To Play REC track in folder: press FOLDER button, LCD display F. Use REV or F. WD button to select the directory REC, press PLAY/II to start playing.

-The track number in the REC Folder will start from “ REC 001 “, and increase gradually.

Therefore if want to check the recording file after finish record, the song will be recorded at the last track in the REC folder.

COPY: Copy function key. It has to operate copy function in STOP status when use this key for USB Copy to SD or SD Copy to USB.

Press STOP key, the device should be at stop mode

Insert USB and SD Card, use USB/SD button to select the device you want to copy the source of any of the following options

Copy single: Press REV , F. WD button or Numerals key to select tracks. Press COPY button to start copying

Copy the multi-tracks or multi-directories:

- Select the tracks and store the tracks in the Memory Program first(for PROG feature instruction, please refer to PROG)
- Press COPY button to copy the tracks stored in the Program, if the copy to SD, LCD display will flash SD and indicates that it is recording to the SD card.

Copy the whole directory:

- Press FOLDER button, LCD display F, use REV button & F. WD to select the directory you want to copy

- Press COPY key to start to copy the selected directory. If copy to SD, LCD display will flash SD and indicates that it is recording to the SD card.

- The tracked recorded through COPY function are stored in the folder “CPY”

- To play folder "CPY" of the tracks, press FOLDER button, LCD display F. Press REV keys F. WD button to select the directory CPY, press PLAY/II to start playing
- The time required to copy according to the file size and track the numbers
- Copy function is copying without folder. For example, if wants to copy each 5 tracks in 3 folders (total 15 tracks) and there will be storage to CPY001 ~ CPY015 at the CPY folder after copying. If copy a new song after it, it will be storage at CPY016.

A↔ B: Section Repeat Play

Press once to start playing the beginning of memory.

Press again to stop at the end of memory area. The device repeats to play memory area.

Press it again to stop playing.

USB/SD Playing

■PLAY/II: Play and pause, press to play, play again to pause.

■STOP: Press to stop playing

■USB/SD: Select to use US or SD CARD

■REPEAT /PROG: Press to select Repeat or Program memory function

Repeat function : Need to operate in the playing mode

- Press once, LCD screen displays "REP", will repeatedly playback currently playing track.
- Press twice, LCD screen displays "REP F", will repeat the entire directory is currently being played
- Press 3rd times, LCD screen displays "REP ALL", will be repeated play all tracks.
- Press 4th times, cancel repeat playback function. The words on LCD screen will be eliminated.

Memory function: Need to operate in the stop-play mode, can be memories up to 99 songs

- Single or multi-tracks memory:

Press the STOP button to stop playback.

Press PROG/REPEAT button, LCD screen displays PROGRAM. Select desired songs by using FOLDER button and number keys 0 to 9 and REV key or F. WD key.

Press PROG/REPEAT button to store 1st song, LCD display shows "00 01" for the 1st song.

Press << PROG/REPEAT >> again for storing 2nd song; LCD display shows "00 02". Start over above process for storing more songs. Press PLAY/II memory to play the tracks stored in the Program.

-Whole folder memory:

Press the STOP function keys to stop playback

Press PROG/REPEAT button, LCD screen display shows PROG, press the FOLDER button with the number of combination of keys or REV keys F. WD button to select the folder Press PROG to store selected folder. To store more folders, repeat above steps.

Press PLAY/II button to start play memorized folders.

To memorize multi-folders or multiple tracks, repeat above steps

LCD will display shows FULL when stored 99 songs

To cancel program feature, keep pressing PROG button until LCD display PROG disappeared

■REV ◀◀: Backwards. Press to backward to last track. Press for 3 seconds to fast reverse the track

■F. WD ▶▶: Fast forward. Press to forward to next track. Press for 3 seconds to fast forward the track

■IR sensor: Infrared remote control eye.

■DEL: Delete single/folder/all of the files.

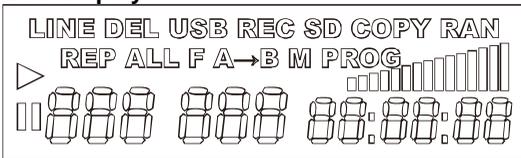
Delete current playing track, can be operated under “Stop” mode or during “Playing” mode
Press DEL button, LCD displays flash DEL FILE, reminding you to delete the file, and then press DEL to confirm the deletion, LCD display shows DEL END.

Delete a folder: To delete the specified folder, press FOLDER button to select the folder you want to delete, click the DEL, LCD display flashes DEL FOLDER , reminding whether you want to delete the folder, and then press DEL again to confirm the deletion, LCD displays DEL END, the folder is removed

Delete all the files: In the stop-play mode operation

- Press the Stop button
- Long DEL key to more than 5 seconds
- LCD display shows "DEL ALL" to confirm whether you want to delete all the files
- Then press DEL key again to delete all the files
- To cancel delete function, just wait for LCD stops flashing and cancellation of delete function

LCD Display:



LINE: Line in audio source

DEL: When using delete function

▶: In playing mode

||: Pausing

REP: Repeatedly playing the single track

REP ALL: Repeat all tracks

REP F: Repeat specific folder

RAN: Playback in random order

PROG: When operate to program tracks.

M: Mute function

A→B: When repeat playing a specific section

USB: When use USB function

SD: When use SD card function

COPY: When operate copy function

REC: When operate recording function

▬: The volume display, total 15 sections.

888(1st): Under the MP3 mode, it will appear the folder numbers.

888 (2nd): Display the current playing track.

88:88:88: Display the time for the current playing track or the recording.

THE FUNCTIONS ON THE REMOTE CONTROLLER

The remote controller shall be appointed to the receiving hole of face plate. The optimal receiving distance is 3 meters. (the available distance is 3 meters.) The batteries (model CR2025 3V) shall be put into the remote controller.

■ Numeral 0 ~ 9 : Select the track from numerals.

■ USB/SD: Switching for USB or SD mode.

■ REC: Recording function button, use for LINE IN recording.

When both USB and SD Card are both in the device

- Press the REC button. LCD display flashing to indicate will be recorded to USB or SD.

- Use USB/SD button to select the option to record to USB or SD card.

- Press REC to start to record, the LCD will display “**WAIT- -REC**” then change to “**STAND BY**”. Now press “REC” again and LCD will flash to indicate the recording is functioning. Press STOP button to stop recording.

When only single USB or SD Card in the device

- Press REC to start to record, the LCD will display “**WAIT- -REC**” then change to “**STAND BY**”. Now press “REC” again and LCD will flash to indicate the recording is functioning. Press STOP button to stop recording.

Sound recording through the REC function keys are saved in the directory folder REC

- To Play REC track in folder: press FOLDER button, LCD display F. Use REV or F. WD button to select the directory REC, press PLAY/II to start playing.

- The track number in the REC Folder will start from “REC 001 “, and increase gradually.

Therefore if want to check the recording file after finish record, the song will be recorded at the last track in the REC folder.

COPY: Copy function key. It has to operate copy function in STOP status when use this key for USB Copy to SD or SD Copy to USB.

Press STOP key, the device should be at stop mode

Insert USB and SD Card, use USB/SD button to select the device you want to copy the source of any of the following options

Copy single: Press REV , F. WD button or 0 ~9 Numerals key to select tracks. Press COPY button to start copying

Copy the multi-tracks or multi-directories:

- Select the tracks and store the tracks in the Memory Program first(for PROG feature instruction, please refer to PROG)

- Press COPY button to copy the tracks stored in the Program, if the copy to SD, LCD display will flash SD and indicates that it is recording to the SD card.

Copy the whole directory:

- Press FOLDER button, LCD display F, use REV button & F. WD to select the directory you want to copy

- Press COPY key to start to copy the selected directory. If copy to SD, LCD display will flash SD and indicates that it is recording to the SD card.

- The tracked recorded through COPY function are stored in the folder "CPY"
- To Play folder "CPY" of the tracks, press FOLDER button, LCD display F. Press REV keys and F. WD button to select the directory CPY, press PLAY/II to start playing
- The time required to copy according to the file size and track the numbers
- Copy function is copying without folder. For example, if wants to copy each 5 tracks in 3 folders (total 15 tracks) and there will be storage to CPY001 ~ CPY015 at the CPY folder after copying. If copy a new song after it, it will be storage at CPY016.

■REP: Repeat function : Need to operate in the playing mode

- Press once, LCD screen displays "REP", will repeatedly playback currently playing track.
- Press twice, LCD screen displays "REP F", will repeat the entire directory is currently being played
- Press 3rd times, LCD screen displays "REP ALL", will be repeated play all tracks.
- Press 4th times, cancel repeat playback function. The words on LCD screen will be eliminated.

■PROG Memory function: Need to operate in the stop-play mode, can be memories up to 99 songs

- Single or multi-tracks memory:

Press the STOP button to stop playback.

Press PROG/REPEAT button, LCD screen displays PROGRAM. Select desired songs by using FOLDER button and number keys 0 to 9 and REV key or F. WD key.

Press PROG/REPEAT button to store 1st song, LCD display shows "00 01" for the 1st song.

Press << PROG/REPEAT >> again for storing 2nd song; LCD display shows "00 02". Start over above process for storing more songs. Press PLAY/II memory to play the tracks stored in the Program.

- Whole folder memory:

Press the STOP function keys to stop playback

Press PROG/REPEAT button, LCD screen display shows PROG, press the FOLDER button with the number of combination of keys or REV keys F. WD button to select the folder

Press PROG to store selected folder. To store more folders, repeat above steps.

Press PLAY/II button to start play memorized folders.

To memorize multi-folders or multiple tracks, repeat above steps

LCD will display shows FULL when stored 99 songs

To cancel program feature, keep pressing PROG button until LCD display PROG disappeared

STOP: Press to stop playing

⏮: Press to backward to previous track

⏭: Press to forward to next track

⏪: Press to fast reverse the playback. Press again to cancel fast reversing

⏩: Press to fast forward the playback. Press again to cancel the fast forwarding

DEL: Delete single/folder/all of the files.

Delete current playing track, can be operated under "Stop" mode or during "Playing" mode

Press DEL button, LCD displays flash DEL FILE, reminding you to delete the file, and then press DEL to confirm the deletion, LCD display shows DEL END.

Delete a folder: To delete the specified folder, press FOLDER button to select the folder you want to delete, click the DEL, LCD display flashes DEL FOLDER , reminding whether you want to delete the folder, and then press DEL again to confirm the deletion, LCD displays DEL END, the folder is removed

Delete all the files: In the stop-play mode operation

- Press the Stop button
- Long DEL key to more than 5 seconds
- LCD display shows "DEL ALL" to confirm whether you want to delete all the files
- Then press DEL key again to delete all the files
- To cancel delete function, just wait for LCD stops flashing and cancellation of delete function

■RAN: Press to play the tracks in a random order. Press again to cancel.

■FOLDER: Folder selection key and adjust the recording quality
- Select folder

Press FOLDER button, LCD screen display F, then REW or F. FWD button with the numbers 0 to 9 button to select the directory . Double-click the Cancel catalog select, LCD screen, "F" disappears

- Recording quality adjustment: Press FOLDER button more than 3 seconds can choose the recording quality. Press REW or F. FWD key to select 44.1 KHz, 128Kbps or 1 92Kbps

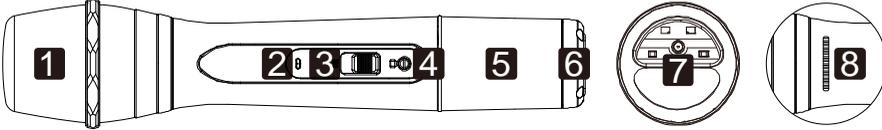
■PLAY/||: Play and pause, press to play, play again to pause

■MUTE: Press to mute, press again to back to normal playing

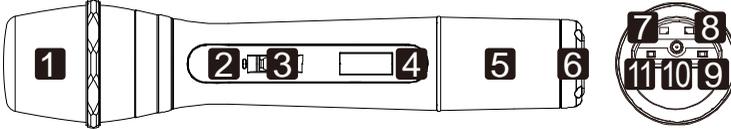
UHF handheld microphones (SQ-1016/SQ-1016V/SQ-5016)

Parts and functions

SQ-1016/1016V (UHF 16-freq)



SQ-5016 (UHF LCD 16-freq.)



Microphone parts and functions	SQ-1016	SQ-1016V	SQ-5016
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
Audio mute switch	-	-	-
Setting button	-	-	8
Up button	-	-	9
Down button	-	-	11
Charging port	7	7	10

Battery installation

Insert or replace the batteries according to the correct polarity after opening the compartment. Many batteries are known to have leakage problem of conductive and corrosive liquid. So please remove the batteries if they are not to be used for a long period.

CHANNEL setting (SQ-1016/1016V)

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

VOLUME adjusting (SQ-1016V)

Please slide the wheel to adjust the volume.

Other settings (SQ-5016)

1. Channel setting



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

The cursor will flash to allow changes to be made. Pressing UP or DOWN button will increase or decrease 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. Making changes to Battery selection



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

Press UP or DOWN button to move the cursor to either NiMH (rechargeable battery) or AKLN (Alkaline battery) position.

When the desired battery 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 microphone is intended for charging as Alkaline battery can not be charged ! Wrong selection of battery will result in battery sensing electronics to display wrong and misleading status information.

3. Making changes to Sensitivity Level



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

Press UP or DOWN button to increase or decrease the Sensitivity Level of the microphone.

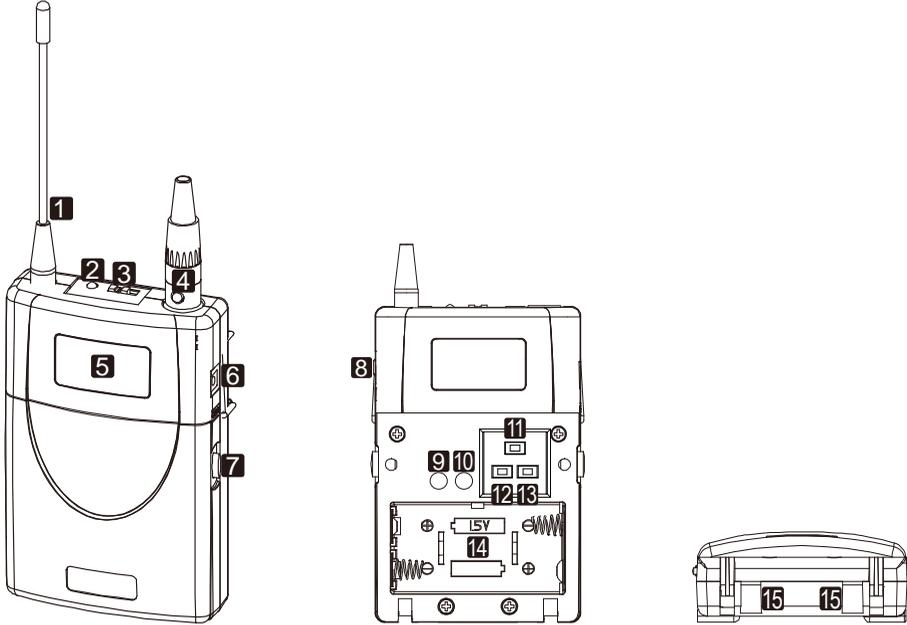
The MAX level is 4 and the MIN level is 1. When a desired sensitivity level has been selected for your application, it will be automatically saved and stored in the Memory.

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 microphone 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-1016/SM-5016)

Parts and functions



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

Battery installation

Insert or replace the batteries according to the correct polarity after opening the compartment. Many batteries are known to have leakage problem of conductive and corrosive liquid. So please remove the batteries if they are not to be used for a long period.

CHANNEL and GAIN setting (SM-1016/M-815/M-1005)

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.

The cursor will flash to allow changes to be made. Pressing UP or DOWN button will increase or decrease 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. Making changes to Battery selection



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

Press UP or DOWN button to move the cursor to either NiMH (rechargeable battery) or AKLN (Alkaline battery) position.

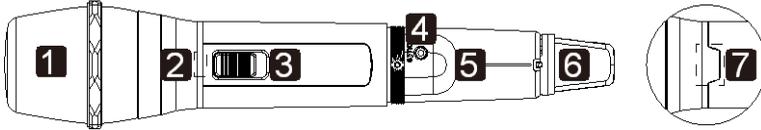
When the desired battery has been selected, it will be automatically saved and stored in the memory.

Remark: NiMH battery must be selected when rechargeable battery is being used. Never select AKLN (Alkaline) when microphone is intended for charging as Alkaline battery cannot be charged! Wrong selection of battery will result in battery sensing electronics to display wrong and misleading status information.

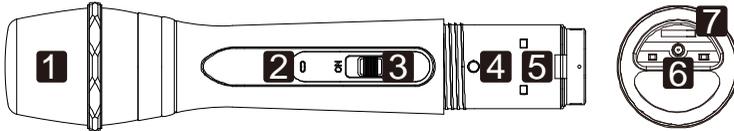
UHF handheld microphones (SQ-2100 IrDA/SQ-1100 IrDA)

Parts and functions

SQ-2100 IrDA



SQ-1100 IrDA



- | | | |
|----------------------|---|---------------------|
| 1. Cartridge | 4. IrDA synchronizing button | 7. IrDA sensor area |
| 2. Battery power LED | 5. Battery compartment | |
| 3. Power switch | 6. Color cap (SQ-2100 IrDA)
Charging port (SQ-1100 IrDA) | |

Battery installation

The battery power LED blinks RED once after power on to imply enough power. If it turns red then the batteries are being dead and need replacement.

Insert or replace the batteries (AA x2) according to the correct polarity after opening the compartment. Many batteries are known to have leakage problem of conductive and corrosive liquid. So please remove the batteries if they are not to be used for a long period.

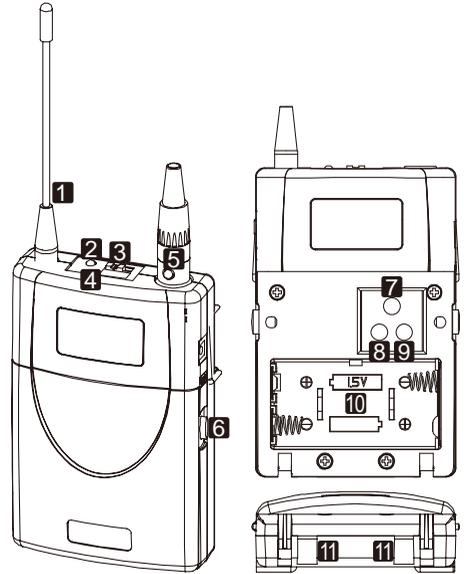
Channel synchronizing of the receiver and microphone

1. Limit the distance between the receiver and transmitter within 30cm.
2. Align both sensor areas
3. To change the receiver's channel, please press the synchronizing button of the microphone. The microphone's LED will glow to imply synchronizing signal transmitted and the receiver's channel LED will flash then change to new channel. If the channel LED shows "EC", it means the receiver and microphone don't have the same frequency band and synchronization isn't doable.
4. To change the microphone's channel, please press the synchronizing button of the receiver. The channel LED will flash to transmit synchronizing signal to the microphone. If its LED shows "EC", it means the receiver and microphone don't have the same frequency band and synchronization isn't doable.

UHF belt-pack transmitter (SM-1100 IrDA)

Parts and functions

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



Battery installation

Insert or replace the batteries (AA x2) according to the correct polarity after opening the compartment. Many batteries are known to have leakage problem of conductive and corrosive liquid. So please remove the batteries if they are not to be used for a long period.

Channel synchronizing of the receiver and transmitter

1. Limit the distance between the receiver and transmitter within 30cm.
2. Align both infrared areas
3. To change the receiver's channel, please press the synchronizing button of the microphone. The microphone's LED will glow to imply synchronizing signal transmitted and the receiver's channel LED will flash then change to new channel. If the channel LED shows "EC", it means the receiver and microphone don't have the same frequency band and synchronization isn't doable.
4. To change the microphones channel, please press the SYNC button of the receiver. The channel LED will flash to transmit synchronizing signal to the microphone. If its LED shows "EC", it means the receiver and microphone don't have the same frequency band and synchronization isn't doable.

GAIN setting (GT/MT)

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.

Maintenance-free Lead Acid battery

Guidelines for maintenance-free Batteries:

1. Battery should operate at temperatures between 15°C ~ 50°C. To ensure a longer life span, it should be kept between 5°C ~ 35°C. For optimum result, 20°C ~ 25°C will be ideal. When temperature falls 15 degrees below zero, battery will undergo some changes in its chemical contents and therefore cannot be recharged. Operating the battery at higher temperature will result in higher capacity but shorter lifespan, whereas lower temperatures operation has a longer lifespan but less capacity.
2. If the battery is not recharged 72 hrs after it is completely used, it will be permanently damaged.
3. When the battery is being charged, the internal gases will be electrolyzed into water at the negative charge, maintaining the battery's storage abilities with no water added. However, erosion at the charged ends of the battery will cause poor performance.
4. The battery's cycle lifespan (no. of charge and discharge cycle) is determined by the degree at which power is dissipated, especially the degree of discharged each time it is used and the recovery charging method. For normal use, the battery can be used for longer hours when less power is dissipated each time and vice versa. At 25°C, maintenance-free batteries could be charged 150 ~ 200 times at 100% discharge each time.
5. Decrease in capacity, internal short circuit, deformation in appearance, erosion of charged ends and decrease in open circuit voltage are symbols indicating battery is approaching the end of its life cycle.
6. When two batteries are used in parallel connection, the resistance of the cables should be kept equal.

Properties of the Lead Acid Battery:

1. Has no memory effect. Can be charged anytime, even when the recharge indication light is off.
2. Performance and efficiency are affected by changes in the environment, especially temperature and humidity. (Best operated between 20°C ~ 25°C)
3. Battery discharge naturally according to a certain pattern even not in use. For best performance and a prolonged lifespan, it should be recharged every month even when not in use.
4. Under normal circumstances, battery could last for about a year.
5. When the battery's life expires, possible indicators include internal short-circuit, decrease in capacity, deformation in appearance, erosion of charged ends and decrease in operating voltage.

User's Precautions:

1. For first-time use, charge the battery for 10 hrs until it is fully charged.
2. To maintain performance and lifespan, if product has not been used for 3 months after the initial shipment, please fully charge the battery.
3. Before each use, it's advisable to charge the battery to its full capacity.
4. The average lifespan of the battery is one year. The user is advised to change the battery after one year of use.
5. The current consumption is in direct ratio with load current. The more current consumption, the less the operation time.



CHIAYO

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