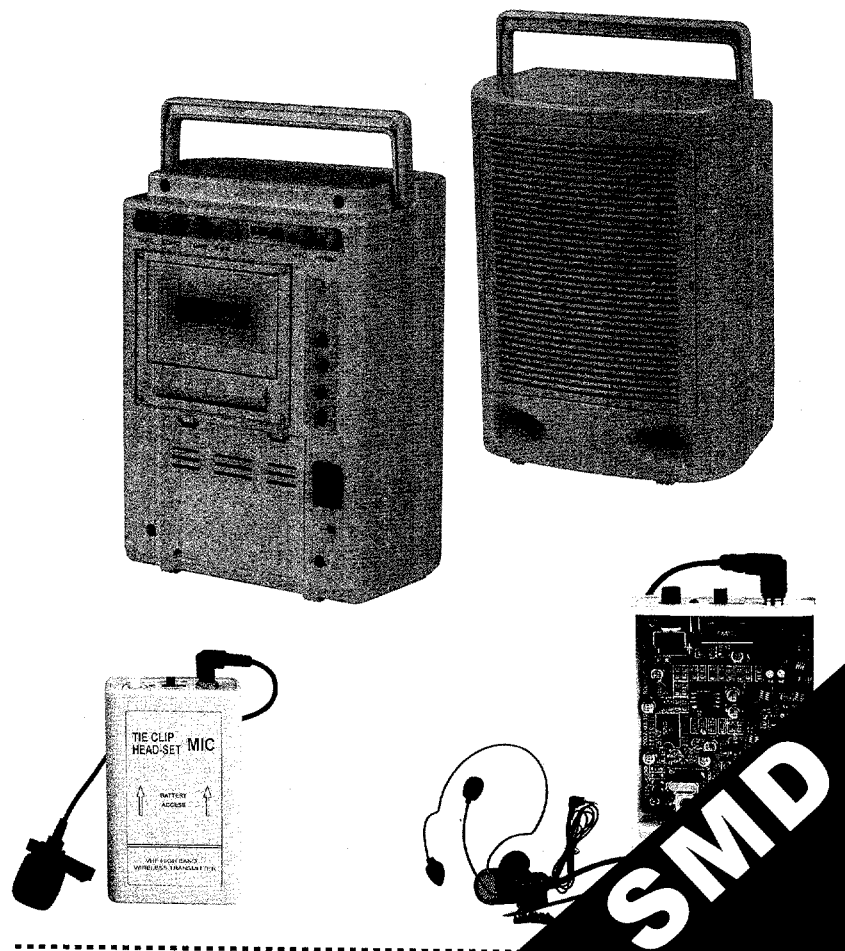


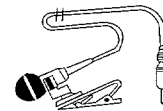
# Play & Record Wireless Language Teaching Amplifier

## Manual

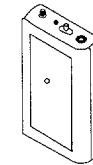


SH-22 Ø

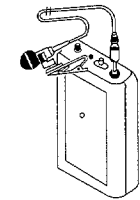
## Options of accessories



X-007  
La valier MIC



Wireless transmitter



X-001  
La valier wireless MIC



X-011  
Handheld wireless MIC



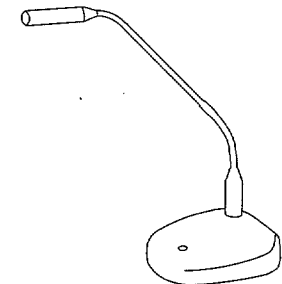
X-021  
Headset MIC



K-061  
8.4V/1500mA  
Ni-MH rechargeable battery  
(Repeat usage 500 times)



K-064  
12V Rechargeable battery



X-027  
Conference wireless MIC

**3. Adjust the volume to proper position when echoes and scream occur.**

- 1) Adjust the main frame volume:
- 2) Adjust the transmitter volume:
- 3) Adjust the direction and distance between the main frame and MIC.
- 4) Lower the voice tune.

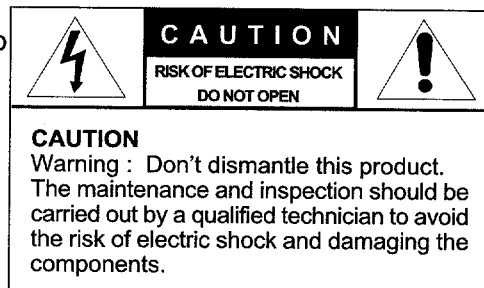
**4. If noises and voice interruption occur:**

- 1) Weak power of the 9V battery in the wireless MIC. a new one should be replaced.
- 2) AC power should be applied in case of weak power of accumulator when using accumulator in the main frame.
- 3) A new MIC wire should be replaced when the MIC wire is wearing out.
- 4) A change of frequency should be replace after contacting the sales agent when a strong signal interference with same frequency from outside occurs.

**5. No sound:**

- 1) The power of the MIC. and main frame is still off; so, turn on the power.
- 2) Make sure the volume of the main frame and transmitter is well adjusted.
- 3) Make sure if the La valier MIC. is damaged, if so, new one should be replaced.

**6. Remove the 9V battery to avoid the leakage of acid and damaging the components.**



**We thank you for your purchasing this amplifier system. Before start to use this amplifier system, please read the manual book thoroughly and carefully. Please keep this instruction book in a safe place after reading for future reference.**

**Basic Features of the Amplifier**

- Excellent quality achieved by manufactured with SMD electronic components and adopted SMT technology.
- Uni- directional La valier MIC with high sensitivity and acoustic clearness.
- Quartz oscillating circuit with stable frequency and strong anti-interference.
- Amplifier working in VHF band (165-265MHz) and there are 65 different possible channels ready for max a group of 65 amplifiers working at the same place and same time.
- Three options for electric power: AC power, 12V DC power and internal rechargeable accumulator.
- AC power is in normal use, accumulator supply is available in case of power cut down.
- The amplifier is also a 9V rechargeable battery charger. If you have two rechargeable batteries, you can keep one charged and use one in the wireless handheld microphone (optional purchase).
- Wire/wireless MIC. can be used at the same time.
- Digital high pitch.
- Digital low pitch.
- Digital echo.
- La valier/handheld wireless MIC. for options.
- Ringing alarm for low power in accumulator.
- Play/Rec functions.
- Display calculator.

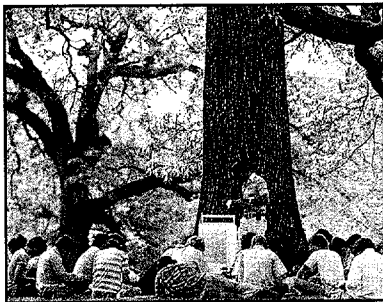


Dancing Teaching

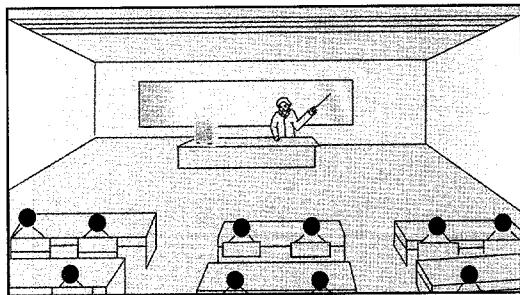
### The usage of the amplifier system

- Used as an lecturing amplifier indoor or outdoor at school.
- Used as an interpreting amplifier for outdoor activity and suburb tour.
- Used as an amplifier for temporary indoor or outdoor assembly.
- Used as an amplifier for interpretation of exhibition, temporary instruction of traffic communication and products sales promotion in shopping mall etc.

**With this amplifier system, you can make yourself a clear sound and heard from far!**



Outdoor Teaching



Indoor Teaching

### Note:

The record volume is controlled by the wire and wireless volume knob.

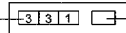
### 3. Maintenance and notice

- 1) Dust or dirt may attach to the tape head, pinch roller and capstan because of the frequent movement of these parts, and it may lead to the distortion or mutation of the sound. Cotton swab dipped with pure alcohol can be used to clean these parts.
- 2) Insert the tape into the proper position to avoid the damage of auto-stop lever.
- 3) TAPE winding is because tape wheel can't move or the tape is too tight and irregular. Rewind the tape several times to solve this problem.
- 4) Check the TAPE head to see if it's dirty, make sure the erase-prevented chip of the tape is not removed when recording. Cleaning of the tape head and seal of the chip with plastic sticker is needed when necessary.

### Cautions of trouble shooting

Please go through this manual carefully before operation, and check as follow. Please inform the sale agent if there is any malfunction of the products. A prompt and perfect service will be offered.

1. Switch off the power of main frame and transmitter and pull off the AC power plug.
2. Insert the 9V battery according to positive and negative pole.

Digital display of calculator  Reset button of calculator

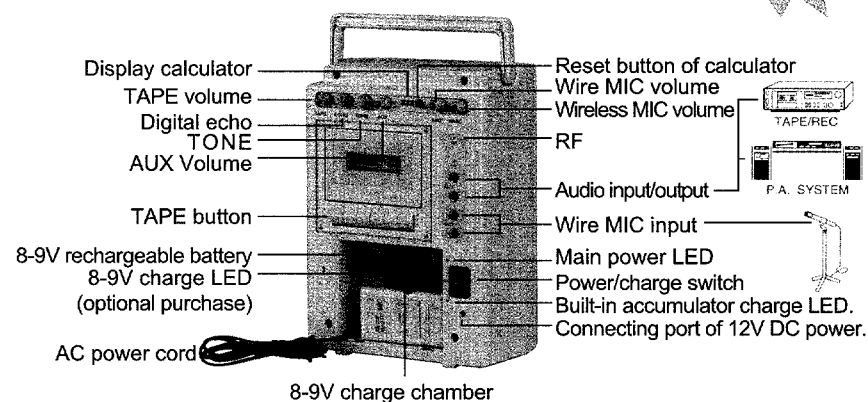
## 1. Play

- 1) Adjust the TAPE/AUX volume to 1/3 position.
- 2) Press Eject button (▲) insert the tape then press play button (▶) to play the tape. Press stop button (■) to stop the play.
- 3) Adjust TAPE/Aux to proper position and adjust the TONE knob to achieve perfect sound effect.
- 4) Press pause button (⏸) to pause the play, press it again to re-start the play.
- 5) Press search button (⏮), the tape plays forward rapidly. Press playback button (⏭) to play back the tape.
- 6) The application of tape calculator is needed according to your requirement while playing tape. Press the Reset button to re-calculate from zero.

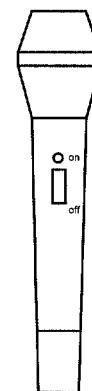
## 2. Record

- 1) Insert the tape into Tape deck.  
(Note: Record tape should be with erase-prevented chip.)
- 2) Press play (▶) and REC (●) button simultaneously, the record can be carried out through wire or wireless MIC. Press pause (⏸) or stop button (■) to pause or stop the record.
- 3) In most cases, adjust the volume of wire or wireless MIC. to 1/2 position while recording, the adjustment is carried out according to the sensitivity of MIC.

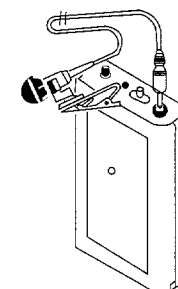
## The system descriptions



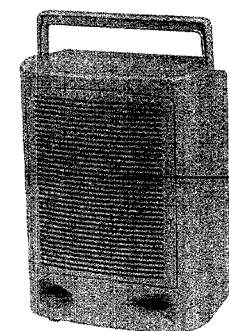
### Main Frame



Wireless handheld  
Mic (optional)



La valier wireless MIC.



Horn



Headset MIC.

### Technical specifications

Power supply:	AC 240V (or 110V) 50Hz/DC 12V (Built-in Rechargeable battery)/DC 12V, 2A
Output power:	30W
Loudspeaker:	16CM 35W/4Ω
Freq Range:	VHF 165-265MHz (65 groups for option)
Sensitivity:	10dBμV (S/N 60dB above)
Oscillating Mode:	±0.005% quartz oscillating locked.
Service Range:	35 meters
Dimension:	230 × 165 × 320mm
Weight:	4Kg

### Standard Match:

1. One main frame.
2. 1 La valier wireless MIC.
3. 1 headset MIC.

**Note:** The single channel system allows one microphone to work only at the same time; two channels system allows two microphones to work at the same time.

### How to use the wire MIC

Put the plug of wire MIC into the port of wire MIC input, adjust the volume to required perfect sound effect.

### How to use the TONE control

Adjust the TONE control knob to required perfect sound effect.

### How to use the digital ECHO

Adjust digital echo volume to achieve perfect sound effect.

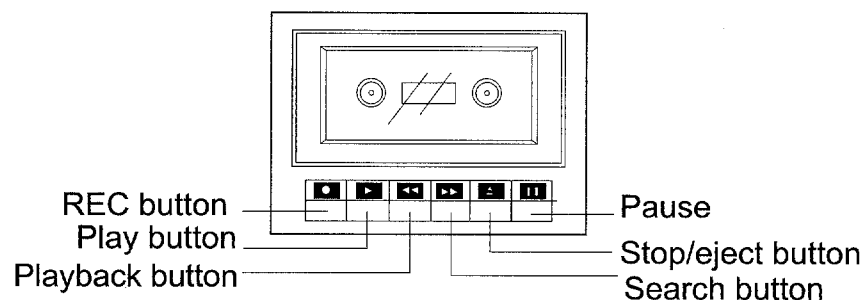
### How to use the multiplying volume

In order to multiplying volume, a wireless MIC. With several wireless amplifiers of the same frequency can be applied to receive simultaneously in circumstances of large hall or stadium.

### How to use the 8-9V rechargeable battery

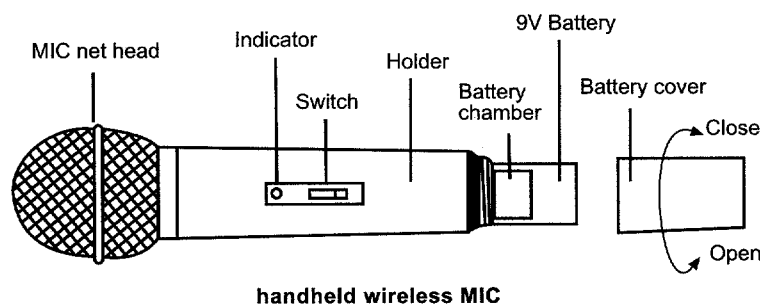
1. Connect electric power, switch to "power" or "Charge" position.
2. Insert 8-9V rechargeable battery into battery chamber according to ⊕ ⊖ poles, "Charge" lights indicating charge function.

### How to use the Play & Record of cassette



### How to use the handheld wireless MIC ( optional pure

1. Open the battery cover, insert 9V battery to the compartment and make sure the right polarity before you use it, then close the cover.
2. Press the switch to "ON" position, MIC is in normal function.
  - 1) A new battery should be replaced in case of noises, voice interruption and voice mutation indicating the low battery power while in operation.
  - 2) Press the switch to "OFF" position after use.
  - 3) Remove the 9V battery to avoid the leakage and acidification of the battery while knocking about.
  - 4) When pressing the switch upward: ① A flash of the "LED" indicates normal power of the battery. ② The long-lasting light of the "LED" indicates the weak power of the battery, and a new one should be replaced. ③ No flash or light of the "LED" indicates no power of the battery or the wrong connecting of the positive and negative poles. Adjustment should be needed.
3. Please take the battery out if you are not going to use it for a period of time.



### Operation of the system

#### ◆ Built-in antenna

#### System operation on AC power

1. Plug in the AC power to the AC Power outlet from a AC power source. Make sure you're using the right voltage when you plug in the system to AC power.
2. Switch on the main frame power, power LED lights indicating the normal function of the main frame. Power switch must be in "OFF" after use.
3. Power is supplied by accumulator in case of power cut down.

#### Note:

AC power plug must be pulled off after finishing charged or if you're not going to use it for a while.

#### Caution

The switch of main frame power must be in "OFF" position after use, otherwise, the internal accumulator would continue its power release and result in damage of accumulator.

#### System works on DC power

1. Switch power to "ON", the light of power LED indicates the normal function of DC accumulator and the main frame is on operation. Turn off the power after operation so as not to shorten the use span of accumulator.

### Note:

- ① The replacement of AC power and recharge are needed in case of weak accumulator power and occurrence of noises and interruption of voice while using accumulator power.
- ② Warning alarm sounds indicating the weak power, the recharge should be needed, otherwise, the use span of the accumulator will be shortened.
2. Connect the DC 12V 2A power, the main machine would be in normal electric supply.

### How to charge the accumulator

1. Switch power to "charge" after connecting AC power.
2. "Charge LED" lights indicating the normal function of the charge. Charge LED will become weak till dark along with the saturation of power.

### Note:

- ① The "charge LED" above may not light in case of excessive power release of the accumulator. It's a normal phenomenon.
- ② Warning alarm sounds indicating weak power, recharge be needed, otherwise the use span of accumulator will be shortened.
- ③ Power charge be needed every 3 months to avoid damage of accumulator while it is knocking about, time for charging is 8 hours.

### Caution

The switch of main frame power must be in "OFF" position after use, otherwise, the internal accumulator would continue its power release and result in damage of accumulator.

### How to use the La valier

1. Push the cover of transmitter, insert a 9V battery according to the  $\oplus \ominus$  pole, then close cover.
2. Put La valier plug into the port of transmitter.(MIC. position).
3. Push the transmitter to "ON", power LED lights indicating normal function of MIC.
4. It's better to adjust the main volume to 2/3 position, then adjust the transmitter volume to what you require.

### Note:

- ① A new battery should be replaced in case of noises, voice interruption and voice mutation indicating the low battery power while in operation.
- ② Push the switch to "OFF" after use.
- ③ Remove the battery to avoid the leakage and acidification of the battery while knock about.
- ④ Press transmitter switch to "ON", the weak or dark of power LED indicates the weak power or wrong connecting of  $\oplus \ominus$  poles. Adjustment should be needed.

