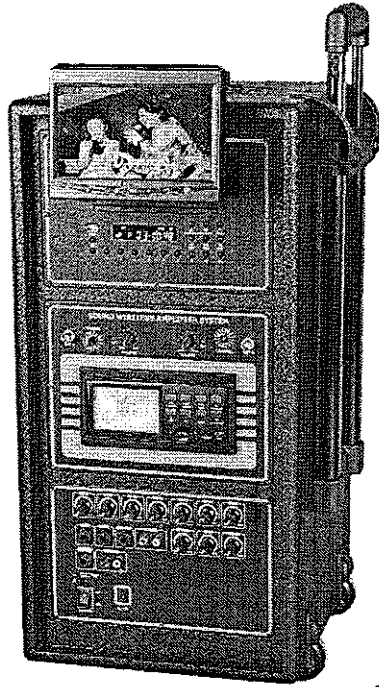


Acesonic

**PORTABLE
WIRELESS
COMPACT
SYSTEMS PA**



USER MANUAL
ENGLISH

INTRODUCTION

Congratulations on choosing Acersonic PK-1247 Roadmaster. Your System has been designed to be as straight-forward and easy to use as possible. However, please read this manual carefully before using your PA System to ensure the correct operation of the unit. Doing so will ensure you get the best results out of your PA System.

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1. PACKAGE CONTENTS

- 1x DC 12V Power Cord.
- 1x Handheld Microphone.
- 1x Body Pack Transmitter.
- 1x Headset Microphone.
- 2x Removable Wireless Antennas
- 4x 1.5V Batteries.
- 1x User Manual.

2. PRODUCT FEATURES

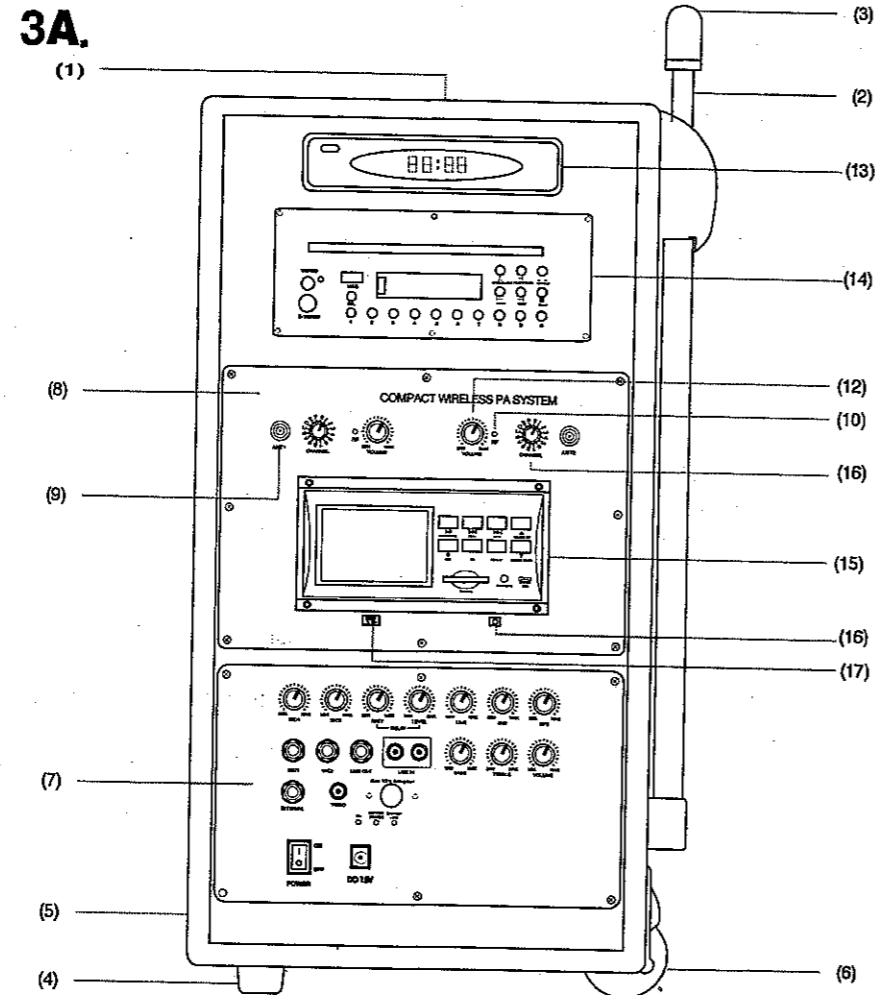
Some of the key features of your Acersonic PK-1247 Roadmaster include:

- All-in-one compact design: everything you need is in one place.
- 2x wireless + 2x wired microphone inputs: provides maximum flexibility with up to four simultaneous microphone/instrument channels.
- Wireless daisy-chain option: multiple PA Systems can be linked for use in large events using the 2x wireless channels on each unit. Provided each unit has the same wireless frequencies (pre-configured), up to 2 microphones/instruments can be broadcast simultaneously through all units, all without the need for cables.
- Internal rechargeable battery: means that the unit can be used indoors & outdoors, on AC or DC power. The battery can be easily replaced if necessary.
- Modular multimedia components: a built-in 2 channel wireless receiver and multimedia input components (DVD, MP3; depending on model) provides a flexible, modern input architecture capable of handling almost any task or situation.
- Ultra-portable: includes wheels and retractable handle for easy transport.
- Mounting options: unit is self-standing on wheels/feet or can be mounted directly on a speaker stand (not supplied).
- Video outputs: Models featuring the DVD input component also feature an analog video output and S-Video output for displaying video content on an external monitor (not supplied).
- Built-in delay: adds depth to the sound of live vocals/instruments. Perfect for singing and karaoke.
- Line in/out: allows for an additional external input and output. The line-out may also be used for recording purposes.
- External speaker output: for use through another PA System.

Note: Features and specifications are subject to change without notice. All images and illustrations are provided for informational purposes only.

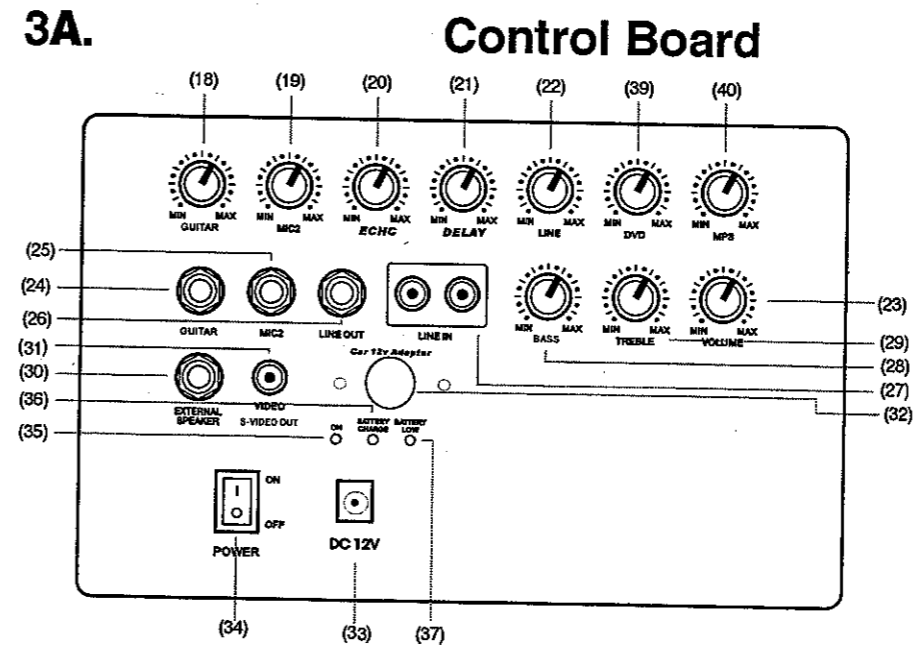
Please note: This unit is equipped with a low-voltage protection circuit. LED (In the position of tweeter) will light on when the voltage runs higher before the 10-20 minutes and will turn the unit off when the voltage runs lower than what is necessary to protect the battery. There is a five-second pause between power on and power off.

3. COMPONENT IDENTIFICATION



- | | | |
|---------------------------------|---------------------------------------|--|
| (1) Telescopic Handle. | (7) Control Board. | (14) DVD/CD/VCD Player. |
| (2) Retractable Trolley Handle. | (8) Wireless Receiver (2 channels). | (15) MP3 Player. |
| (3) Handle Lock. | (9) Removable Antenna Connector. | (16) Wireless Channel Selector. |
| (4) Foot Stand. | (10) RF LED Indicator. | (17) Wireless transmitter ON/OFF Switch. |
| (5) Battery Compartment (side). | (12) Wireless Channel Volume Control. | |
| (6) Wheels. | (13) 7" High-resolution LCD. | |

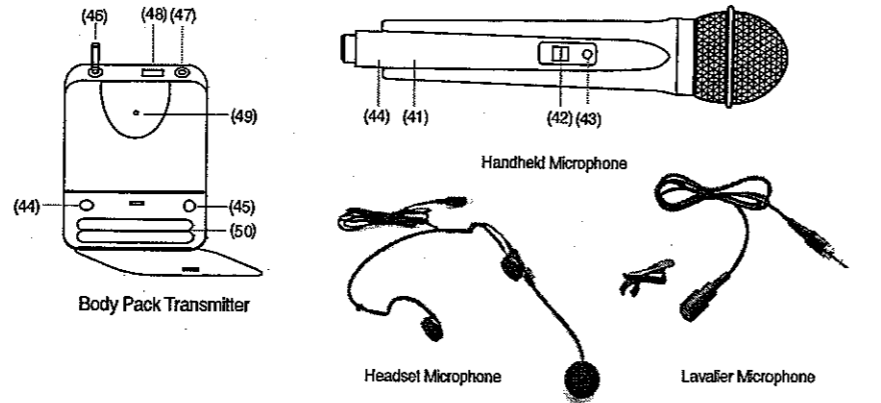
3. COMPONENT IDENTIFICATION



- (18) Volume Control for GUITAR wired microphone input.
 (19) Volume Control for MIC-2 wired microphone Input.
 (20) Rate Control for Delay Function.
 (21) Level Control for Delay Function.
 (22) Line Input Level (controls the level of the Line In/Aux. input).
 (23) Master Volume Control.
 (24) GUITAR Microphone/Instrument Input Jack.
 (25) MIC-2 Microphone/Instrument Input Jack.
 (26) Line Out/Auxiliary Output Jack for external audio output.
 (27) Line In/Auxiliary Input (Stereo RCA) for external audio input.
 (28) Bass Frequency Control.
 (29) Treble Frequency Control.
 (30) External Speaker Output Jack.
 (31) DVD Video (RCA) In
 (32) Car 12V Adaptor
 (33) DC 12V.
 (34) Power Switch.
 (35) Power LED Indicator.
 (36) Battery Charging LED Indicator (Illuminated RED when charging, GREEN when fully charged).
 (37) Low Battery LED Indicator.
 (39) DVD/CD/VCD Player Input Level Control.
 (40) MP3 Player Input Level Control.

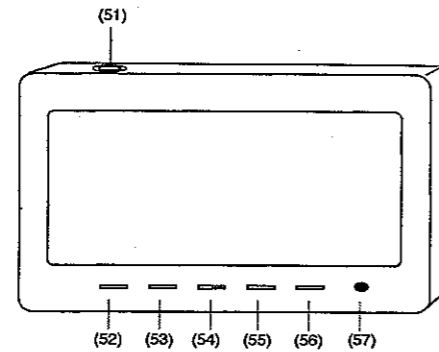
3. COMPONENT IDENTIFICATION

3B. Wireless Equipment (all models)



- (41) Battery Compartment/Cover.
- (42) ON/OFF Switch.
- (43) Power LED Indicator.
- (44) Wireless Channel Selector
- (45) Volume Control.
- (46) Body Pack Volume Control.
- (47) Input Jack (Mic./Instrument).
- (48) Power Switch (ON/OFF/MUTE).
- (49) Power LED Indicator.
- (50) Battery Compartment/Cover.

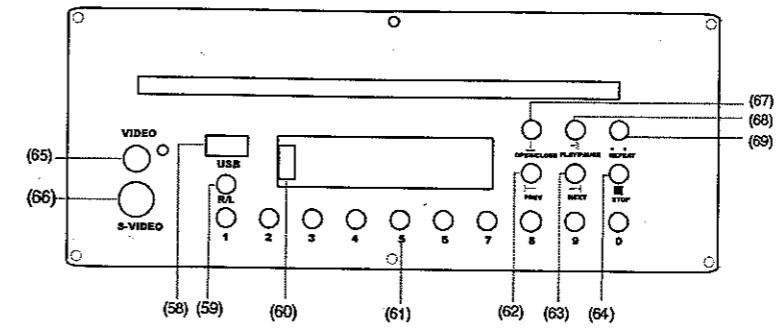
3C. Appearance and functions



- (51) Extension switch
- (52) Power switch
- (53) Channel-
- (54) Menu
- (55) Channel+
- (56) Function selection (TV/AV1/AV2)
- (57) Power indicator light

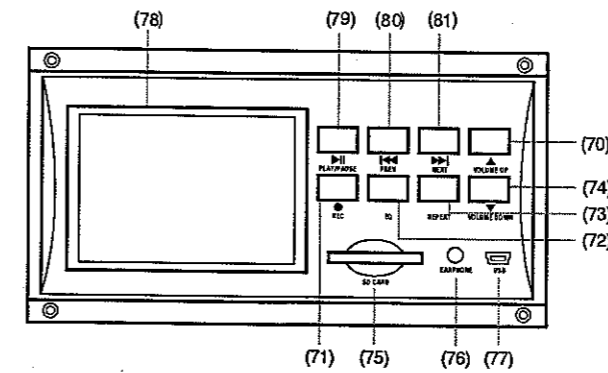
3. COMPONENT IDENTIFICATION

3D. DVD Player (all DVD models)



- (58) USB Jack.
- (59) Left & right track
- (60) Remote frequency point.
- (61) 0-9 Button
- (62) Prev Button.
- (63) Next Button.
- (64) Stop Button.
- (65) DVD Video Output.
- (66) DVD S-Video Output.
- (67) Open/Close Button.
- (68) Play/Pause Button.
- (69) Repeat Button.

3E. MP3 Player



- (70) Volume Up Button.
- (71) Record Button.
- (72) EQ Button.
- (73) Repeat Button.
- (74) Volume Down Button.
- (75) SD Card Input.
- (76) Headphone Output.
- (77) USB Input.
- (78) Liquid Crystal Display.
- (79) Play/Pause Button.
- (80) Prev Button.
- (81) Next Button.

4. USER INSTRUCTIONS

4.1 General Usage:

- Before tuning power on, ensure that the Master volume control (22) is set to the minimum position (turn knob counter-clockwise).
- GUITAR volume control (18), MIC-2 volume control (19), DVD/CD (39; if fitted), MP3 (40; if fitted) and TAPE (38; if fitted) input controls can simply be adjusted by using the respective level controls found on the Control board. The Treble (28) and Bass (29) controls affect the overall tone of the unit.
- The level of the two wireless microphone channels can be controlled by the Wireless channel volume controls mounted in the wireless section (13).
- The Master volume control (23) adjusts the total output of the system.
- Tip: To avoid feedback, make sure any microphones in use are not facing the speaker and are a reasonable distance from the main unit.
- Using the (20) & (21) control can give an 'echo' effect. This is perfect for Karaoke. Simply adjust the ECHO control (20) to adjust the rate (number of repeats) then increase the DELAY control (21) for the amount of delay volume desired. This effect works for microphones only.
- The Line out facility (26) allows the unit to be plugged into other audio devices such as powered speakers, bigger PA systems, recording devices, etc.
- The Line in facility (27) allows other external audio devices such as CD players, MP3 players, etc. to be plugged into the unit. The Line input level control (22) adjusts the volume level.
- The External speaker (30) facility allows connection of an appropriate unpowered 8-ohm speaker. Ensure that any external speaker used adheres to the correct specifications. (seek the advice of your dealer if in doubt).
- The S-Video output (66; where fitted) facility allows the video signal from the DVD player to be sent to an external monitor.
- The Video output (65; where fitted) facility allows the video signal from the DVD player to be sent to an external monitor via an RCA cable.

4.2 Body Pack Transmitter

1. Open the battery cover (50) and insert battery, paying attention to the position of the positive and negative poles.
2. Insert headset microphone or lavalier microphone into the Body pack input jack (47).
3. Turn on the microphone using the Power switch (48). LED will flash once then go out.
4. Adjust the volume of the signal using the Body Pack volume control (46) or the Wireless channel volume control (12) on the Control board.
5. When LED illuminates red, it indicates that battery power is low.

4. USER INSTRUCTIONS

4.3 Handheld Microphone:

1. Open the battery cover (41) and insert battery, paying attention to the position of the positive and negative poles.
2. Turn on the microphone using the ON/OFF switch (42). LED will flash once then go out.
3. Adjust the volume of the microphone using the Wireless channel volume control (12).
4. When LED illuminates red, it indicates that battery power is low.

4.4 Power

Note: This unit can be powered by either DC 12V or DC power.

DC 12V Operation:

For operation using DC 12V power, simply plug DC 12V power cord provided in to the DC 12V (32). Switch the Power switch (34) to the ON position.

DC Operation:

- This unit comes equipped with an internal rechargeable battery.
- To use this feature the battery firstly needs to be charged. This is done by ensuring that the AC power cord is connected and the Power switch (34) is in the OFF position. The Battery charge light (36) should now be illuminated to indicate that the unit is now charging.
- Recharge time is approximately 6 hours.
- After recharging, the unit can be used anywhere simply by turning ON the Power switch (34).
- The unit will automatically turn off when the battery charge runs low.
- A fully charged battery can last up to 8 hours depending on the battery load.
- Tip: If the system is not going to be used for a long period of time, recharge the battery at least once a month to maintain proper battery health.

4.5 DVD/CD Player Operation (if fitted):

1. To view video output from the DVD Player, ensure a cable is connected from either the Video (31) or S-Video (30) output on the Control Board to the video input on the monitor.
2. To switch on the DVD Player, turn the DVD player level control (39) on the Control Board clockwise (off the 'MIN' setting). You will hear a click and the LCD will illuminate. To switch the DVD Player off, turn the DVD level control counter-clockwise, back to the minimum setting.
3. To open the DVD Tray, press the Open/Close button (67). To close the tray, press the Open/Close button again.

4. USER INSTRUCTIONS

- Once you have loaded a DVD/CD, select the desired track by using the Next (63) and Prev (62) buttons, or press (61) 0~9 Button Press the Play/Pause button (68) to play the selected program. You can adjust the volume of the DVD player using the DVD player level control (39) on the Control Board.
- Press the Play/Pause button (68) again to momentarily stop the selected program. Press the Stop button (64) to stop the current program.
- Use the Repeat button (69) to repeat the current track or repeat the entire program.

4.6 MP3 Player Operation (if fitted):

Note: The MP3 player lets you both play and digitally record music.

- For headphone monitoring, plug a set of headphones into the Earphones output (76).
- To turn on the MP3 player, press and hold the Play/Pause button (79) for 2 seconds. The LCD (78) will illuminate and any currently loaded MP3 files will be ready to play.
- You can choose to play MP3 files stored on either the player's internal storage or on SD cards (not supplied). By default the player will load tracks from internal storage. You can add and remove tracks on internal storage using a PC (or other source) via a USB cable. To do this, insert the USB cable into the USB input (77). To play from SD card, insert an SD card into the SD card input (75). The player will display the tracks on the card on the LCD (78).
- Once you have loaded your files, select the desired track by using the Next (81) and Prev (80) buttons. Press the Play/Pause button (79) to play the selected program. You can adjust the volume of the MP3 player using the MP3 player level control (40) on the Control Board. Alternatively, you can use the Volume Up (70) and Volume Down (74) buttons on the MP3 player.
- Press the Play/Pause button (79) again to momentarily stop the selected program.
- Press the EQ button (72) to select from a range of EQ (tone) settings (Pop, Classical, Rock, Jazz, Strings and Normal).
- Use the Repeat button (73) to repeat the current track or repeat the entire program.
- You can choose to record the output of the mixer to either an SD Card (not supplied) or directly to PC via USB. You cannot record directly to internal storage/memory. To setup for recording, insert an SD card with sufficient free space into the SD card input (75) or connect a USB cable from the USB input (77) to a PC or other device. If using USB, the LCD (78) will display the text 'USB', indicating the player is in USB/PC mode.
- While the player is in the stop or pause mode, press and hold the record button for 5 seconds. Recording will commence.

5. WARRANTY INFORMATION

This product is guaranteed against any defect arising from faulty materials and/or workmanship for a period of Two years from the date of purchase. Proof of Purchase must be produced in order to make a warranty claim. The warranty is void if the product has been damaged by excessively rough usage, alteration, modification, misuse, accident or neglect.

6. TECHNICAL DATA

Unit:

Power Source:	AC 110V to 250V DC \pm 12V 14AH x 1pcs
Output Power:	200W
Loudspeaker:	2x 8" speakers + 3" high frequency driver
Channel:	Double channels and double wireless microphones
Frequency Range:	UHF 450-960 MHz
Sensitivity:	10dB μ V (S/N is over 60dB)
Oscillating Mode:	\pm 0.005% quartz oscillating locked. PLL
Wireless Effective Range:	35 metres
Weight:	27KGS

Wireless Transmitter:

Antenna:	Built-in with noise terminator circuit (Microphone) Built-in antenna (body pack transmitter)
Battery:	DC 1.5V
Current Consumption:	20mA
Power Output:	20mA
Spurious Emission:	45dB min

Note: Features and specifications are subject to change without notice.
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7. IMPORTANT SAFETY INFORMATION

1. To reduce the risk of fire or electric shock, do not open the unit. No user-serviceable parts inside. Any work carried out on the unit by an unauthorized repairer may void the manufacturer's warranty.
2. To reduce the risk of fire or electric shock caused by a damaged power cord, do not pull on the cord directly when removing it from the power point/socket. Instead, always pull at the plug. Grasp the plug tightly and gently remove it from the power point/socket. If the power cord becomes damaged it should be replaced immediately.
3. Ensure you turn off the power and remove the power cord from the wall socket if the unit will not be used for a long period of time.
4. To reduce the risk of electric shock and avoid damage to the unit, ensure the Voltage Selector Switch (33) is set to the correct voltage before turning the unit on.
5. To avoid damage to the unit, do not place heavy articles on top of the unit, or place the unit on shaky or uneven ground. If mounting the unit on a speaker stand, ensure the speaker stand is rated to handle the weight of the unit comfortably. Ensure the speaker stand is setup properly on a flat, even surface.
6. To reduce the risk of fire or electric shock, do not expose the unit or power cord to excessive moisture, dust and/or sunlight.
7. If the unit develops a fault, stops working or begins to perform abnormally, turn the unit OFF, remove the power cord from the power socket and contact an authorized repairer or dealer to have the matter resolved.



WARNING!
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE EQUIPMENT TO RAIN OR MOISTURE. IMPROPER SPEAKER CONNECTIONS MAY DAMAGE THIS UNIT AND/OR SPEAKERS. IMPROPER OPERATION MAY VOID MANUFACTURER'S WARRANTY.