



**AUDIOVOX®**  
ELECTRONICS CORP.

**MP2164**



## **USER'S GUIDE**

128-6373

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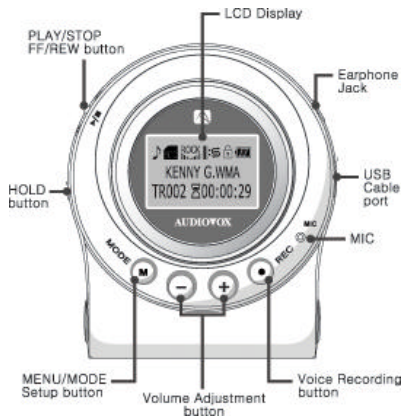
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# MP2164 MP3 PLAYER SYSTEM OVERVIEW

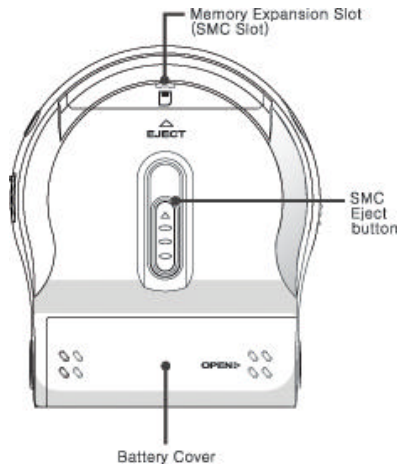
## OPERATING CONTROLS AND INDICATORS

### Front



**FIGURE 1. MP2164 Controls And Indicators, Front**

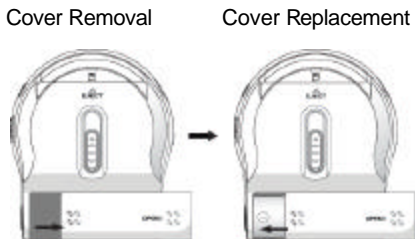
## Rear



**FIGURE 2. MP2164 Controls And Indicators, Rear**



## BATTERY INSTALLATION



**FIGURE 3. Battery Cover Removal And Replacement**

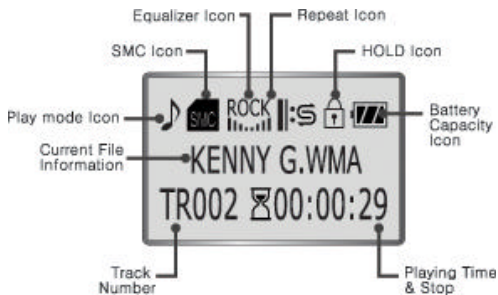
The MP2164 MP3 Player is not packaged with a battery preinstalled.

Before attempting to operate, install the battery as described below.

- 1) Turn the MP2164 MP3 Player face down on a flat surface. Using your fingers, slide the battery cover off as shown in FIGURE 3 above.
- 2) Install One “AA” battery. Make sure that proper polarity (+ or -) is observed.
- 3) Carefully align the cover tabs and slide the battery cover to the closed position as shown in FIGURE 3 above. Make sure the battery cover clicks into place and that it is attached securely to prevent the battery from falling out.

## LCD INDICATIONS AND ICONS

The following is an example of the MP3 player LCD screen. All of the key Indicators and Icons are identified here and are described in detail in the following sections.



**FIGURE 4. LCD Display Indications And Icons**

## MAIN MENU TABLE

The following table is the breakdown sequence of the Main Menu (shown in dark gray) screens used for programming and playback. The functions of these menus are described in detail in the following sections.



**FIGURE 5. MAIN MENU Table**

## **USING A SMARTMEDIA CARD (Optional)**

You can expand memory capacity of the MP2164 by adding a SmartMedia Card (not supplied).

### **INSTALLING THE SMARTMEDIA CARD**

1. Inserting the SmartMedia Card into the memory expansion slot on your MP2164 in the direction of the arrow as shown in FIGURE 6 below.
2. Check the SmartMedia Card (SMC) icon is displayed on the LCD screen as shown in FIGURE 6 below.

### **EJECTING THE SMARTMEDIA CARD**

1. Push the Eject button located on the back of the unit in the direction of the arrow (up) to remove the SmartMedia Card from the slot as shown in FIGURE 6 below.



**FIGURE 6. Sample Smart Media Card (SMC) Indicator**

**NOTE:**

- \* Do not insert/eject the SmartMedia Card during playback of Music Tracks.
- \* Always turn off the unit before inserting/ejecting the SmartMedia card.
- \* Use only 3.3V SmartMedia Cards only.
- \* SmartMedia cards of 32,64,128MB can be used.
- \* SmartMedia cards of 8,16,256MB cannot be used.

## BASIC USAGE

### LISTENING TO MUSIC / STOPPING MUSIC

#### *To listen (Playback) Music*

After inserting the battery, momentarily Press and Release the ►/■ button, the “**AUDIOVOX**” logo will be displayed on the LCD screen for a few seconds and then disappear

A playback screen will be displayed as shown in FIGURE 7 below. The first track will automatically begin to play.



**FIGURE 7. Sample LCD PLAYBACK Screen**

For definitions of the above fields refer to FIGURE 4

### ***To Stop Music Playback***

To stop playback of a music track during playback, momentarily Press and Release the ►/■ button.



**FIGURE 8. Sample LCD PLAYBACK STOPPED Screen**

**NOTE:** The unit will automatically *POWER OFF* after 10 seconds if no other buttons are pressed.

## SETTING VOLUME

### *To Adjust Volume*

The volume is adjusted by pressing the +/- buttons located on the front side of the unit (see FIGURE 1).



**FIGURE 9. Sample VOLUME ADJUSTMENT Screen**

You can adjust volume from 0 to 30

- *To Adjust Volume Slowly:* Momentarily Press and Release the +/- buttons in the direction desired to adjust the volume 1 interval at a time (0-30) until the desired volume is reached

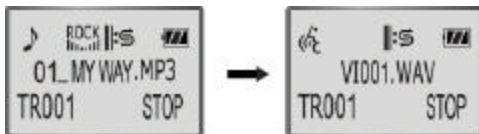
*To Adjust Volume Rapidly:* Press and Hold the +/- buttons in the direction desired until the desired volume is reached



## CHANGING THE MODE

### *To Change To The VOICE Mode*

1. Stop the playback of *Music* and momentarily Press and Release the *MODE* button to change to the *Voice* mode.
2. Momentarily Press and Release the ►/■ button to begin playback.
3. If SMC is inserted, select the Voice saving location (either the internal memory or the external memory (SMC) using the ►►/◀◀ buttons.



**FIGURE 10. Sample MUSIC CHANGED TO VOICE Mode Screens**

### *To Change To The MUSIC Mode*

1. Stop the playback of *Voice* and momentarily Press and Release the *MODE* button to change to the *Music* mode.
2. Momentarily Press and Release the ►/■ button to begin playback.

## RECORDING VOICE

### *To record a Voice*

1. To start a *Voice* recording, Press (for more then one (1) second) and Release the *REC* button.
2. From the MEMORY SELECT screen (shown in FIGURE 11 below) use the ►/◄ buttons to select either the *Internal Memory* or the *External Memory* (SMC) if SMC is inserted. NOTE: The MEMORY SELECT screen will be automatically canceled after 15 seconds if the MP2164 is idle (no buttons pushed)



**FIGURE 11. Sample MEMORY SELECT Mode Screen**

3. Press the ►/■ button to begin recording voice.
  - a. To *PAUSE* recording, momentarily Press and Release the ►/■ button
  - b. To continue recording, momentarily Press and Release the ►/■ button once again.

- To stop recording, momentarily Press and Release the *REC* button.
- To create new Voice Track momentarily Press and Release the *REC* button again. The following screens will be displayed (FIGURE 12)



**FIGURE 12. Sample VOICE RECORDING Screens**

**NOTE:**

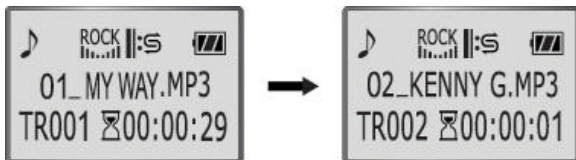
- \* Do not take out or insert the SmartMedia card while voice recording is under way.
- \* Once the memory is full, recording will stop automatically.

## SEARCHING A DESIRED MUSIC / VOICE TRACK

### TO SEARCH A DESIRED MUSIC TRACK DURING PLAYBACK

- *To Search For A Desired Music Track In A Upwardly Direction:* Momentarily Press and Release the ►► button until the desired music track is reached.
- *To Search For A Desired Music Track In A Downwardly Direction:* Momentarily Press and Release the ◀◀ button until the desired music track is reached.

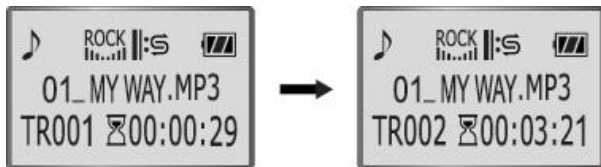
While searching, the following screens will be displayed:



**FIGURE 13. Sample Music Track Search Screen  
(During Playback)**

## SEARCHING WITHIN A MUSIC TRACK

To search a desired section on the same track, Press and Hold the ►►/◄◄ buttons to find and listen to the desired section. Release the button to playback again.



**FIGURE 14. Sample MUSIC TRACK SECTION SEARCH Screen  
(Within The Same Track)**

## SEARCH FOR A DESIRED MUSIC TRACK IN THE STOP MODE

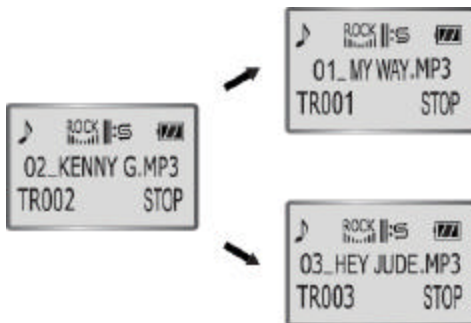
\*Momentarily Press and Release the ►/■ button to stop the playback of a music track

then:

\*Press the ►► button in short durations to skip ahead one track at a time.

\*Press the ◀◀ button in short durations to skip to the previous track at a time.

\*Momentarily Press and Release the ►/■ button to play



**FIGURE 15. Sample MUSIC TRACK SECTION SEARCH Screen  
(While In Stop Mode)**

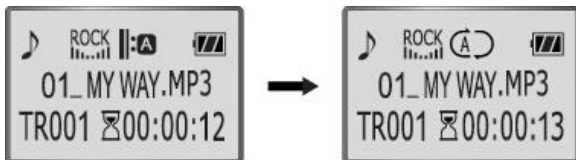
## ADDITIONAL USAGE

### Loop Repeating

#### *Starting point.*

Momentarily Press and Release the *MODE* button at the desired beginning point of the Music or Voice track you wish to program into the LOOP REPEAT Mode.

A blinking icon (A) will appear on the display screen as shown below in FIGURE 16.

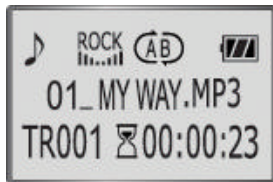


**FIGURE 16. Sample LOOP REPEAT Setup Screens**

### ***Ending point***

Press the MODE button short once again at the point of ending Loop, then (A B) is displayed on the display window (FIGURE 17).

The section set is repeatedly played back.



**FIGURE 17. Sample LOOP REPEAT Complete Screen**

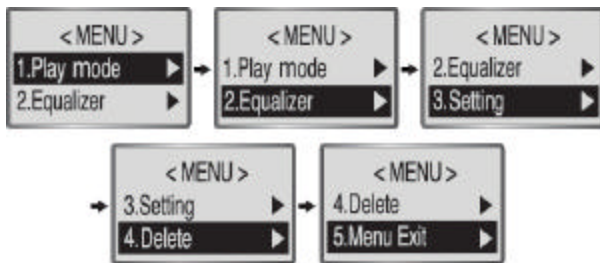
**NOTE:** To release the Repeat track, Press the MODE button short once again



## TO SET THE MENU

1. Press and Hold the MODE button for 3 second during *Playback* or *Stop* mode to access the Main MENU mode
2. Use the ►►/◀◀ buttons to move up and down (see **FIGURE 5**).
3. Use the ►/■ button to select.
4. Press the MODE button again to return to the PLAY/STOP mode.

*Detailed MENU mode options*



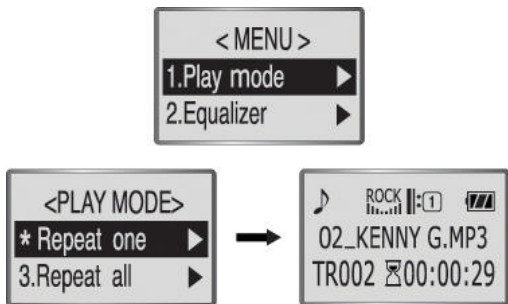
**FIGURE 18. Sample Detailed MENU Options Screens**

- **Play mode:** Repeat playback mode to listen to.
- **Equalizer:** Adjust equalizer function.
- **Setting:** Adjust backlight, contrast, scroll speed, and display information.
- **Deleting:** Delete Music and Voice files.
- **Exit menu:** Exiting the MENU.

\* If there is no input for 15 seconds in the MENU mode, the MENU mode will be released.

## TO PLAYBACK REPEATEDLY

1. Highlight and Select Play Mode in the Main MENU by momentarily Pressing and Releasing the ►/■ button.
2. Navigate through the menu selections to a desired mode by using the ►►/◀◀ buttons in the Play mode
3. Select the desired mode by momentarily Pressing and Releasing the ►/■ button.



**FIGURE 19. Sample REPEAT PLAYBACK Mode Screen**

- **Normal:** Tracks will be played back in the order they were recorded.
- **Repeat one:** To listen to one track only repeatedly.
- **Repeat all:** To listen to all the tracks stored repeatedly.
- **Shuffle:** To listen to the tracks stored in random order
- **Intro:** To listen to the beginning part only of all the tracks stored (play for 10sec.)
- **Go up:** Return to the main menu

## SETTING EQUALIZER

1. Select **Equalizer** from the MENU.
2. Navigate through the menu selections to a desired mode by using the ►/◀◀ buttons.
3. Select the mode by momentarily Pressing and Releasing the ►/■ button.



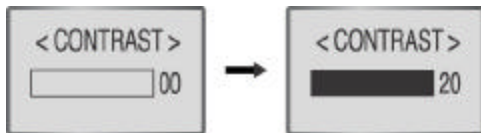
**FIGURE 20. Sample EQUALIZER Mode Screen**

- |            |   |
|------------|---|
| 1. Normal  | 1. Rock   |
| 2. Classic | 2. User mode You can adjust “Bass” and “Treble” in the User mode. |
| 3. Jazz    | 3. Go up: Return to the Main Menu                                 |

## SETTING MY OWN OPTIONS

### *Setting Contrast*

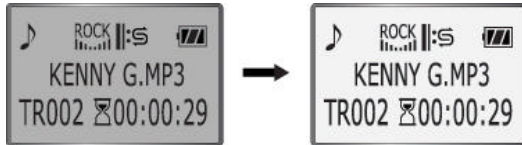
1. Select **Setting** from the MENU.
2. Navigate through the menu selections to the *Contrast* mode by using the ►►/◀◀ buttons.
3. Select the *Contrast* mode by pressing the ►/■ button.
4. Press ►►/◀◀ buttons to set Contrast.
5. You can adjust the contrast from 0 to 20.
6. To exit the *Contrast* mode, momentarily Press and Release the ►/■ button.



**FIGURE 21. Sample CONTRAST Screen**

## Setting Backlight

1. Select the *Setting* menu from the Main MENU.
2. Navigate through the menu selections to the *Backlight* mode by using the ►►/◀◀ buttons. Then select one of the following settings
  - Never = No backlight
  - 1sec. ON: Backlight ON for 1 Second
  - 3sec. ON: Backlight ON for 3 Seconds
  - 5sec. ON: Backlight ON for 5 Seconds
3. Make your Selection by pressing the ►/■ button or select “Go Up” to switch to the upper menu.



**FIGURE 22. Sample BACKLIGHTING Screen**

## Setting Scroll Speed

1. Select the *Setting* menu from the Main MENU.
2. Navigate through the menu selections to the *Scroll Speed* mode by using the ►/◀ buttons.

You can adjust the *Scroll Speed* from 0 to 10. “0” being the slowest and “10” the fastest.

To exit the *Scroll Speed* mode, momentarily Press and Release the ►/■ button.



**FIGURE 23. Sample Scroll Speed Screen**



## DISPLAY MODE



FIGURE 24. Sample DISPLAY Screens

### *Information*

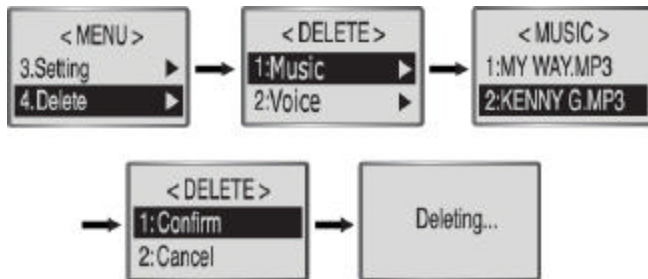
- **Play time:** Indicates the current playing time.
- **Remain time:** Indicates the remaining playback time.
- **Total time:** Indicates the total playing time.
- **Compression:** Indicates the compression ratio.
- **Free memory:** Indicates the remaining memory.

### *Logo*

- **Default:** Sets the "AUDIOVOX" logo indication.
- **None:** No logo indication,

## Deleting Files (Tracks)

1. Select the *Delete* menu from the Main MENU.
2. Navigate through the *Delete* menu selections to the *Music or Voice file* mode by using the ►►/◀◀ buttons.
3. Highlight *Music or Voice file* and press the ►/■ button
4. Select a file desired to deleted
5. Press the ►/■ button to delete the file



**FIGURE 25. Sample File Deletion Screen**

To exit from the *Delete* mode, select “Go up” or momentarily Press and Release the *MODE* button located on the front of the unit (see **FIGURE 1**).

## PRECAUTIONS

- Do not drop the unit or give a shock to the unit.
- Do not allow the unit to become wet. Avoiding storage or usage of the MP3 Player in places where there is excessive moisture, magnetism or heat.

**NOTE:** If the unit becomes wet, remove battery and quickly wipe with a dry cloth, then contract a service center.

- When cleaning, do not wipe the unit with Paint Thinner, Alcohol or Benzene for cleaning Use of these types of chemicals can damage the unit. Use only a soft, lightly dampened cloth if necessary.

## TROUBLESHOOTING

- Software is not operating.
  - The problem may be caused from unsuccessful software installation. Reinstall the software following the proscribed procedure in the Installation Guide.
- The unit does not function / there is nothing displayed on the LCD screen.
  - Check the battery and check the battery is inserted correctly (see MP2164 MP3 PLAYER SYSTEM OVERVIEW).
- No music even when pressing the PLAY button in the MP3 mode.
  - Check if the driver is properly installed on the computer (refer to the Software Installation Guide).
  - Check the connection between the PC and the USB Cable port.
- The LCD window is dim.
  - Check the Contrast (see Setting Contrast).
- Backlight is not turned on.
  - Check the setup of backlight (see Setting Backlight).

**NOTE:** The unit will automatically detect if the voltage current of battery is low, and will not allow the backlighting to be turned ON to prolong music playback.

# SPECIFICATIONS

**Table 1. MP2164 Specifications Table**

<b>MODEL</b>	<b>MP2164</b>
<b>MEMORY</b>	64/128 embedded Flash Memory Upgradeable to 192/256 with optional 128MB SMC
<b>VOLTAGE</b>	1.5V
<b>BATTERY</b>	1AA Alkaline / Lasting 15 Hours
<b>SIZE (W X H X D)</b>	65 X 76X 28 (mm)
<b>WEIGHT</b>	51g
<b>CASE</b>	PVC
<b>FILE TRANSFER SPEED</b>	Max. 4Mbps
<b>S/N RATIO</b>	90dB
<b>EARPHONE OUTPUT</b>	5.5mW@16?
<b>OUTPUT FREQUENCY RANGE</b>	50Hz ~ 20KHz
<b>TEMPERATURE PROPERTY</b>	-10?~+50?

\* The specifications of this manual are subject to change without prior notice.

## ACCESSORIES



**Earphones**  
**(Ear-Ring type)**



**USB Cable**



**GROOVE CD**



**1.5V AA Battery**



**Wrist Strap**



**Leather Case**



**Software Installation Guide**

**FIGURE 26. Included Accessories**

## WARRANTY



### 90 DAY LIMITED WARRANTY

#### Applies to Audiovox Internet Products

AUDIOVOX ELECTRONICS CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 90 days from the date of original purchase, such defect(s) will be repaired or replaced with reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to an approved warranty station. For the location of the nearest warranty station to you, call toll-free to our control office:

1-800-290-6650

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or damage to tapes, discs, speakers, accessories, or electrical systems. This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s).

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128-6001

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