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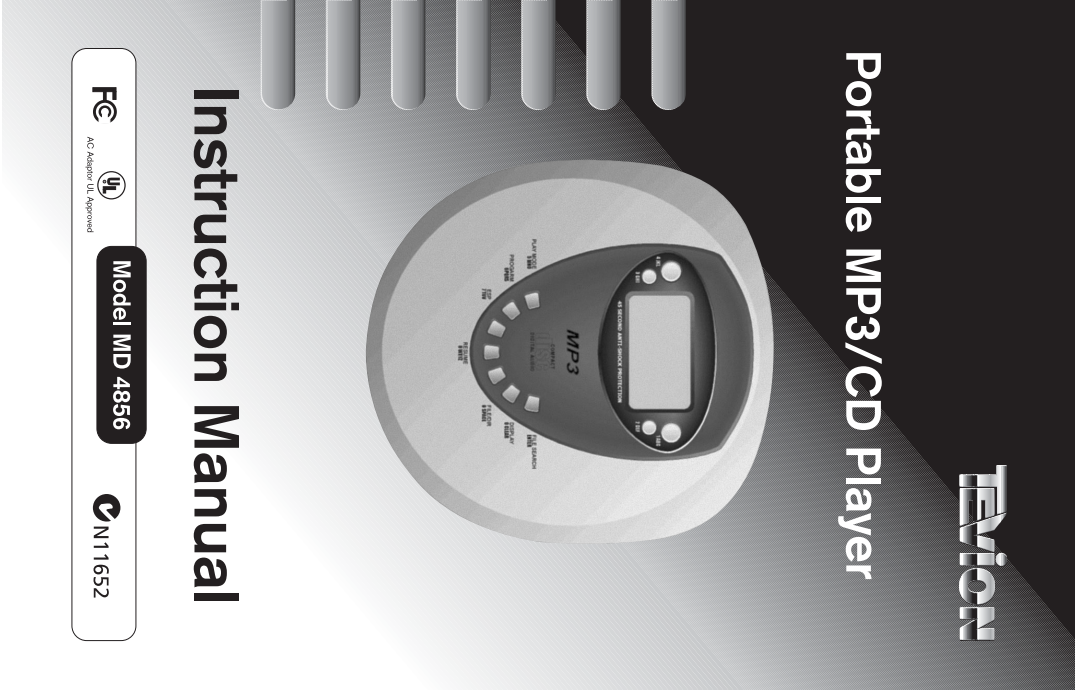**Professional Customer Support Team**

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11/02

# Portable MP3/CD Player

**TEVION**

# Instruction Manual

FCC
AC Adaptor UL Approved
UL

**Model MD 4856**

N11652

MP3

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• Do not open the CD compartment while the CD is rotating.
• Always keep the CD compartment closed when not in use.
• Keep all foreign objects out of the CD compartment.
• Place the unit on a stable surface.
• Avoid installing the unit is locations described below:
• Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
• On top of other stereo equipment that radiates too much heat.
• Placed lacking ventilation or dusty places.
• Places subject to constant vibration.
• Humid or moist places.

## LOCATION OF CONTROLS



Many of the buttons have dual functions, meaning they will perform one function in the Normal mode and a different function in the File Search mode. The descriptions on the following page will indicate the function while in the Normal mode, followed by the function in the File Search mode (if applicable).

## LOCATION OF CONTROLS

| No. | Name | Normal Mode | File Search |
|---|---|---|---|
| 1 | Display | LCD Function Display | |
| 2 | SKIP/SEARCH– | Press & release:Skip backward. Press & hold: Search backward. | 4,J,K,L |
| 3 | SKIP/SEARCH+ | Press & release:Skip forward. Press & hold: Search forward. | 3,G,H,I |
| 4 | LINE OUT Jack | Connect to an external amplifier, such as a car stereo. | |
| 5 | PHONES Jack | Connect 3.5mm headphones. | 5,M,N,O |
| 6 | PLAY MODE | Cycles between RANDOM, INTRO,REPEAT A,REPEAT1. | 6,P,Q,R,S |
| 7 | PROG/EQ | Memorizes & reviews programs. EQ: Cycles between the Equalizer modes. | 7,T,U,V |
| 8 | VOLUME | Adjusts the volume. | |
| 9 | ESP | Electronic Shock Protection ensures continuous playback. | 8,W,X,Y,Z |
| 10 | RESUME | **CD**: Continues playback from last track played. **MP3**: Continues playback. | |
| 11 | DC4.5V | Jack Use with external Power Supply. | |
| 12 | Battery | Insert Batteries, see Compartment page 4. | |
| 13 | PLAY/PAUSE | Turns the unit on. Also starts and pauses playback. | 1,A,B,C |
| 14 | STOP | Stops CD play, clears a program. Also turns the unit off. | 2,D,E,F |
| 15 | FILE/SEARCH | Search for MP3 files. | ENTER |
| 16 | DISPLAY | Display select. | 0, CLEAR |
| 17 | FILE/DIR. | Locate MP3 file | 9, SPACE |
| 18 | OPEN | Switch Slide to the right to open the CD compartment. | |

## SPECIFICATIONS

MPEG Rate ...................................................32-384Kbps
Sampling Frequency ..................................8/11.025/12KHz for MPEG2.5
.................................................16/22.05/24KHz for MPEG2
.................................................32/44.1/48KHz for MPEG1
MP3 Playback ............................................ISO9660 format compatible
Check the CD burner/recorder's documentation to see if it complies with these specifications.

## TROUBLESHOOTING GUIDE

Should this unit exhibit a problem, check the following before seeking service.

| SYMPTOM | POSSIBLE CAUSE | POSSIBLE SOLUTION |
|---|---|---|
| Unit will not turn on. | Batteries inserted incorrectly. | Insert batteries correctly. |
| | Batteries dead or weak. | Replace batteries. |
| | Power connection loose, or not connected. | Properly connect AC adapter securely. |
| | Power not on. | Press the PLAY/PAUSE button to turn the power on. |
| CD will not play. | CD compartment not closed. | Close the CD compartment door. |
| | Disc inserted incorrectly. | Insert disc correctly. |
| Erratic playback. | Dirty or defective CD. | Try another CD. |
| | Condensation is on the lens. | Wait until the lens has cleared. |
| | Error in the MP3 recording of the CD. | This is an error with the CD/burner, not the unit. Try another CD. |
| | Unit locks up. | Press and hold the DISPLAY/CLEAR button for 2 seconds to reset. |
| Playback does not start from track 1. | The Resume or Program function was activated. | Clear the program, and do not start with the resume function. |
| No sound, or poor sound. | Headphone or Line Out plugs not inserted properly. | Check connections. |
| | The volume is set too low. | Raise the volume. |
| | Plugs are dirty. | Clean plugs and reinsert. |

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3

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## INSTALLATION

This CD player can be powered by either 2 "AA" batteries or the provided AC adapter.

**AC Operation**
To operate the unit using AC power, connect an AC adapter to the DC4.5V jack on the rear of the CD Player and to a wall outlet having 120V, 60Hz AC in USA or 240V, 50Hz AC in Australia only. The batteries are automatically disconnected when the AC adapter is used.

**NOTE:**
There is only one specific AC adapter for each country provided with this unit.

**Battery Installation**
Batteries need to be replaced when "LOW BATTERY" appears in the display. Fresh Alkaline batteries will last approximately 8 hours with a standard music CD and 10 hours with an MP3 CD.
1. Open the battery compartment door on the bottom of the unit by sliding it out and then lifting it. To prevent the possibility of losing the cover, it cannot be removed.
2. Insert two (2) "AA" batteries (not included) according to the polarity diagram. Alkaline batteries are recommended for longer playing time.

**BATTERY PRECAUTIONS**
Follow these precautions when using batteries in this device:
1. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
2. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
3. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture.
   (Follow battery manufacturer's directions.)

**Playback Through a Home Audio System:**
By using a home audio connection cable, superb CD sound can be heard through your home audio system.
Before making any connections, turn off the power to all equipment.
Plug a connection cable (not included) between the LINE OUT jack on the side of the CD player and the amplifier's CD or AUX input jacks. (Do not connect it to the amplifier's PHONO jacks.)

**NOTE:**
If the CD player interferes with TV or radio reception, move the CD player away from the TV or radio or turn off the power to the CD player.

**Headphones:**
Connect the supplied headphones into the green PHONES (Headphones) jack.

**VOLUME Level:**
You can adjust the digital volume level from "00" to "32" by pressing the VOLUME UP or DOWN button.

**Preset Equalizer:**
WHILE A CD IS PLAYING, press the PROG/EQ button to cycle through the EQ settings (NORMAL, CLASSIC, POP, JAZZ and ROCK).
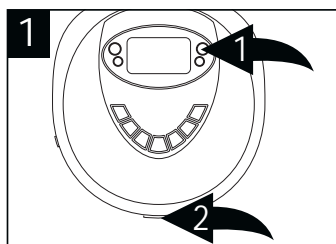
**Use your common Sense when using headphones:**
• Hearing Safety: Do not play your unit at high volume. Hearing experts advise against continuous extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.
• Traffic Safety: Do not use while operating a motor vehicle. It may create a traffic hazard and it is illegal in many areas. You should use extreme caution or temporarily discontinue use in potentially hazardous situations. Even if your headset is an open-air type designed to let you hear outside sounds, do not turn up the volume so high that you can't hear what's around you.
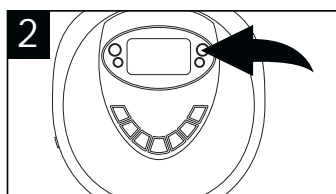
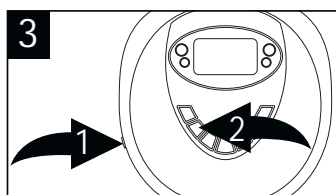4

## OPERATION

## TO INSERT AND PLAY A CD

This CD player is designed to play all kinds of Audio Discs and MP3 CD ROMS, such as CD recordables and rewritables. Do not try to play CDI, CDV, DVD or computer CDs.
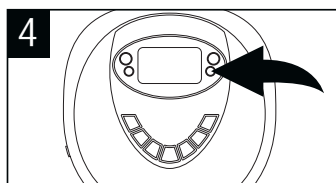
Press the PLAY/PAUSE button (1) to turn the unit on.
Open the CD compartment lid by sliding the OPEN switch (2).
Gently press a disc, label side up, onto the spindle until it locks in place.
Close the CD compartment lid; the total tracks and playing time (and folders, if using MP3) will appear in the display.

Press the PLAY/PAUSE button to begin playback; the current track, elapsed playing time and equalizer (and folder, if using MP3) will appear in the display.

Adjust the VOLUME (1) and EQ button (2) as desired; the volume level will be shown on the display.
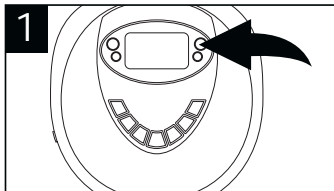
When the disc is through playing, it will stop. Press the STOP button to stop the disc before it is finished. Press the STOP button again to turn the unit off.
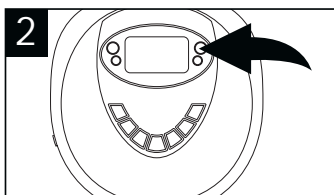
**CD PLAYBACK NOTES:**
• See page 10 for more information on MP3's.
• When recording ("burning") CDs, make sure the session is "finalized", or simply record ("burn" only one session). You can find more information on "finalizing" in your CD recorder's manual.
• This unit is capable of playing standard CDs or 3" singles; no adapter is required.
• If a disc is inserted incorrectly, dirty, damaged or not present at all, "no disc" will appear in the display.
• If a disc is not recorded properly, a disc error will occur.
• Playback will stop when you open the CD compartment, but it is not recommended to open the compartment before the STOP button is pressed.
• If there is no activity for 60 seconds, the unit will turn itself off to save the batteries.
• It may take 10 to 30 seconds for the player to read an MP3 CD and begin playback, depending on the number of tracks burned on the CD.
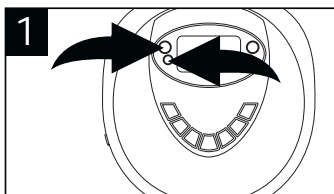
## OPERATION

### CD PAUSE CONTROL

**1**

During CD playback, if you wish to pause the disc momentarily, press the PLAY/PAUSE button. Playback stops but the disc continues to spin and the elapsed time flashes in the Display.

**2**
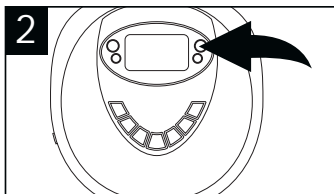
Press the PLAY/PAUSE button again to release Pause and resume playback. The sound returns and the elapsed time in the Display stops flashing.

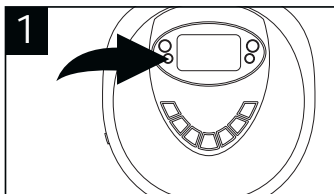### TO BEGIN PLAYBLACK FROM A SPECIFIC TRACK

**1**

After you insert the disc into the CD player and the total number of tracks appear on the display, you may press either the SKIP/SEARCH ◀◀ or ▶▶ button to select a specific track for playback.
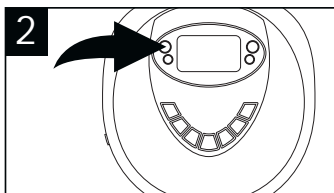
**2**

When the desired track number (and file number if using MP3) appears in the display, press the PLAY/PAUSE button. Playback will begin with the track (or file) you selected.
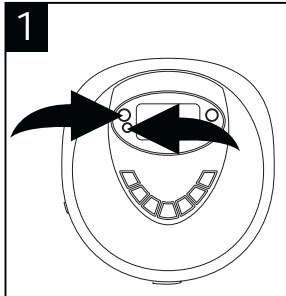
### FORWARD/REVERSE SKIP TRACK

**1**

During playback, press and release the SKIP/SEARCH ▶▶ button once to advance the player to the beginning of the next track. Press the SKIP/SEARCH ▶▶ button repeatedly to advance the player to higher number tracks.

**2**

During playback, press and release the SKIP/SEARCH ◀◀ button once to move the player back to the beginning of the currently playing track. Press the SKIP/SEARCH ◀◀ button repeatedly to move the player back to lower numbered tracks.
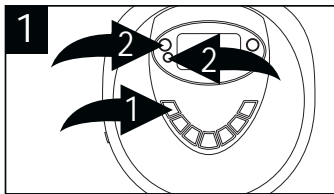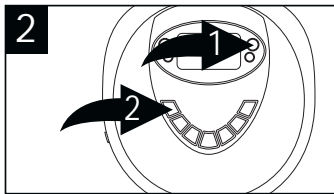
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## OPERATION

### HIGH-SPEED MUSIC SEARCH



During playback, depress and hold either the SKIP/SEARCH ◄◄ or ►► button to move the player forward or backward within a track to locate a specific musical passage. The player will move forward or backward at high speed as long as the buttons are depressed. When you release the SKIP/SEARCH button, normal playback will resume at that point.
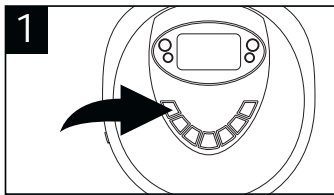
### REPEAT PLAYBACK OF ONE TRACK



To repeat a single track, press the MODE button (1) once; "REP 1" will appear in the display. Press the SKIP/SEARCH ◄◄ or ►► button (2) to select the specific track that you wish to repeat.
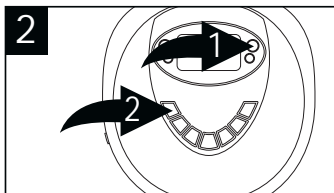


When the desired track number appears in the display, press the PLAY/PAUSE button (1) to begin playback. The specific track you selected will be repeated continuously. To cancel Repeat playback, press the MODE button (2) repeatedly until the mode indicator disappears.

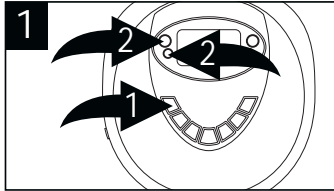### REPEAT PLAYBACK OF ALL TRACKS ON A CD



To repeat all the tracks on the CD, press the MODE button twice; "REP A" will appear in the display.
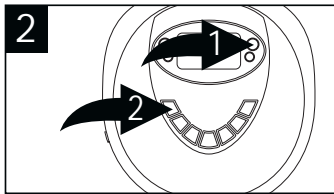


Press the PLAY/PAUSE button (1) to begin playback. All tracks on the disc will be repeated continuously. To stop Repeat playback, press the MODE button (2) repeatedly until the mode indicator disappears.

**OPERATION**

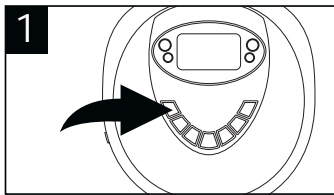**REPEAT PLAYBACK OF A FOLDER (MP3 w/folders only)**



To repeat all files in a directory (MP3 CD only), press the MODE button (1) 3 times; "REP D" will appear in the display. Press the SKIP/SEARCH ◄◄ or ►► button (2) to select the specific folder that you wish to repeat.
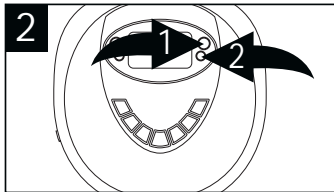


Press the PLAY/PAUSE button (1) to begin playback. All files in the selected directory will be repeated continuously. To stop Repeat playback, press the MODE button (2) repeatedly until the mode indicator disappears. See page 10 for more info on MP3 format.

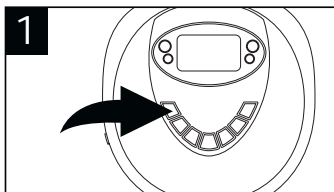**INTRO PLAYBACK (Will play the first 10 seconds of each track)**



While in the Stop mode, press the MODE button 3 times (4 times if an MP3 CD with multiple directories is inserted); "INT" will appear in the display.



Press the PLAY/PAUSE button (1) to begin Intro playback. The first 10 seconds of all tracks on the disc will be played in sequence. Press the STOP button (2) to stop Intro playback.

**TO RANDOMLY PLAY BACK A CD**



While in the Stop mode, press the MODE button 4 times (5 times if an MP3 CD with multiple directories is inserted); "RND" will appear in the display.
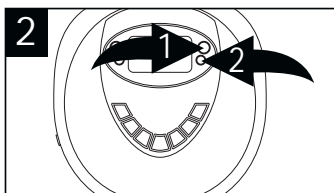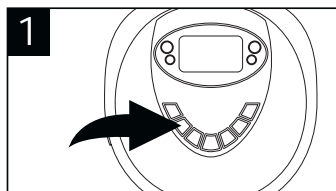


Press the PLAY/PAUSE button (1) to begin playback. The unit will play all the tracks in random order. When all the tracks have been played, the unit will stop. Press the STOP button (2) to stop Random playback.
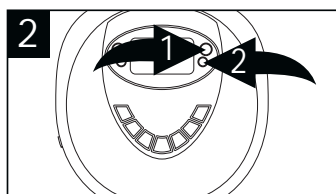
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**OPERATION**

**TO PROGRAM THE MEMORY (UP TO 24 TRACKS)**

Programming is the ability to preselect the order in which a series of tracks will be played.



While in the Stop mode, press the PROG/EQ button. The track number will blink and "P-01" will appear in the display. If using a MP3 disc, see the notes on page 10.



Select a track to be programmed by directly entering it. For example, press PLAY/PAUSE/1 (1) and STOP/2 (2) to enter in track number 12.

NOTE:
If an error is made while programming, hold the DISPLAY/CLEAR button for 2 seconds to clear the memory.



Press the FILE SEARCH/ENTER button to memorize the track. Repeat steps 2 and 3 to program additional tracks up to a maximum of 24 tracks.



Press the FILE SEARCH/ENTER button (1) again to finalize the program. Press the PLAY/PAUSE button (2) to begin program playback.

See the top of the following page for notes on Program playback.

## OPERATION

## NOTES ON PROGRAM PLAYBACK

• **MP3**: If an MP3 CD is inserted, you will first select the directory number in step 1, and then the file.
• You can review the program by pressing the PROG/EQ button, then the SKIP/SEARCH button when playback is stopped.
• Press the REPEAT button twice during program playback to repeat the program repeatedly until the STOP button is pressed.
• Press the STOP button to stop and cancel the program before it is finished (the Program memory will be kept).
• Each file may be stored in the program memory as many times as desired (up to 24 files).
• If an error is made while programming, hold the DISPLAY/CLEAR button for 2 seconds to clear it.

**ESP (ELECTRONIC SKIP PROTECTION)**
This feature protects against loss of sound caused by vibrations and shocks. Continuous playback is ensured once some of the music has been stored into memory.
ESP will automatically be activated when listening to standard or MP3 CDs. You cannot deactivate ESP while listening to an MP3 CD. However, you can deactivate it when playing a standard CD by simply pressing the ESP button; the ESP indicator will disappear from the display. Deactivating the ESP will conserve battery life.

## RESUME

This will allow you to resume playback of a CD that was previously stopped. If you stopped a CD in the middle of playing, simply press the RESUME button and the CD will continue at the start of the last played track location where the CD was stopped.

## MP3 FAQs - Frequently Asked Questions

**Please read before playing an MP3 CD.**

Does the unit support packet write CD-RW?
    Yes it can, you can ad or delete MP3 files without reformatting. It appears like a PC hard drive.

Can the unit read regular music CDs?
    Yes it can. However you can not mix MP3s and WAV files on the same CD.
    If you do this your Portable MP3 CD Player will play only the MP3 files.

Does the unit have Electronic Skip Protection built-in?
    Yes it has an anti-shock buffer (45 seconds for standard CD and 120 seconds for MP3 CD).
    What it means for the everyday user is that it can withstand road bumps, shaking, etc.
    There will be no skipping when you jog, or run on a tread mill or drive on a bumpy road.

Can I use the MP3 extension for non-audio data files?
    No, this may result in serious malfunction and harmful noise interference.

Can I mix MP3 files with other file types on the CDR?
    Yes, but your Portable MP3 CD Player will ignore those files and read only the MP3 files on the CDR.

Does the unit support multi-session CDRs?
    If the MP3 CD is not finalized, you can burn a new group of MP3 files until the CD is full.

Does the unit support subdirectories (subfolders)?
    Yes, the unit can read MP3 files from subfolders.

What appears on the display when playing back MP3 CDs?
    The album, title and artist (if set when MP3 was recorded).

## OPERATION

### MP3 FAST FILE SEARCH

If an MP3 CD **without Multiple Directories** is inserted, you can directly enter the desired file number as follows:



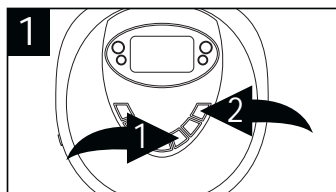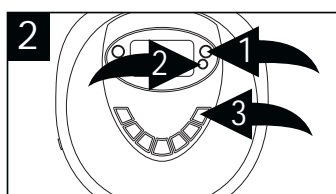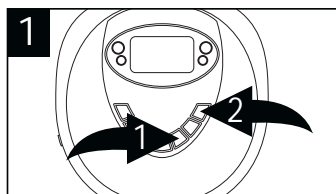While the unit is in the Stop mode, press the FILE/DIR. button (1) once; the file number will blink. Then, press the ENTER button (2).
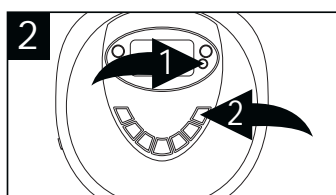


Select a file by directly entering it. For example, press PLAY/PAUSE/1 (1) and STOP/2 (2) to enter in file number 12. Press the ENTER button (3) to begin playback from that file.

### MP3 FAST DIRECTLY SELECT

If an MP3 CD **with Multiple Directories** is inserted, you can directly enter the directory number as follows:



While the unit is in the Stop mode, press the FILE/DIR. button (1) twice; the directory number will blink. Then, press the ENTER button (2).
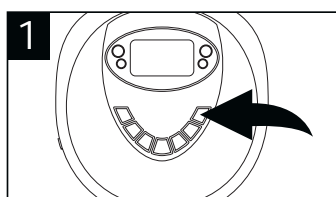


Select a directory by directly entering it. For example, press STOP/2 (1) to enter in directory number 2. Press the ENTER button (2) to begin playback of that directory.
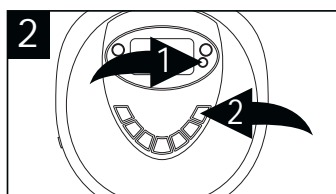
**OPERATION**

**MP3 SELECTING SONG BY TITLE**

You can search for a song by title, using the letter buttons to enter the name of the song.
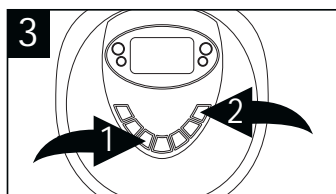
First, press the FILE SEARCH/ENTER button, followed by the appropriate letters to enter the name of the song. Remember that each letter button can enter 4 or 5 letters/numbers depending on the number of times you press the button. If you press the 1ABC button once, the number "1" appears. Press twice for "A", 3 times for "B" and 4 times for "C". For example, if the first word in the song title is "Funny", you would enter the word "Funny" on the display as follows:
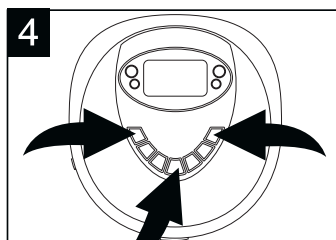


Press the FILE SEARCH/ENTER button once.



Press the STOP/2DEF button (1) 4 times to select the letter "F", then press the FILE SEARCH/ENTER button (2) to enter the "F" and move the cursor to the next position.



Press the ESP/7TUV button (1) 3 times to select the letter "U", then press the FILE SEARCH/ENTER button (2) to enter the "U" and move the cursor to the next position.



Continue to enter the word "Funny" as follows:
"N'-Press MODE/5MNO button 3 times, press FILE SEARCH/ ENTER.
"N'-Press MODE/5MNO button 3 times, press FILE SEARCH/ ENTER.
"Y'-Press 8WXYZ button 4 times, press FILE SEARCH/ ENTER.

**5** When done entering the title, press the FILE SEARCH button once again and the player will search for the title. Once found, playback will begin automatically.

To insert a space between 2 words in a song title, press the 9/SPACE button twice.

It may not be necessary to enter the entire song title to select the song. After entering the first few letters as described above, press the FILE SEARCH/ENTER button again. The player will search the disc for a song that begins with those letters and playback begins automatically if it finds only one song. If the player finds more than one song that begins with the same letters, the display will show the list of songs. Use the SKIP/SEARCH ◀◀ or ▶▶ button to scroll through the list, and press the ENTER button when the desired song is blinking to play it.

**MP3 SELECTING DIRECTORIES BY TITLE**
You can search for a directory by title, using the letter buttons to enter the name of the directory.
Simply press the FILE SEARCH/ ENTER button twice, then follow the the instructions for steps 2 to 5 in the Selecting Songs By Title section.
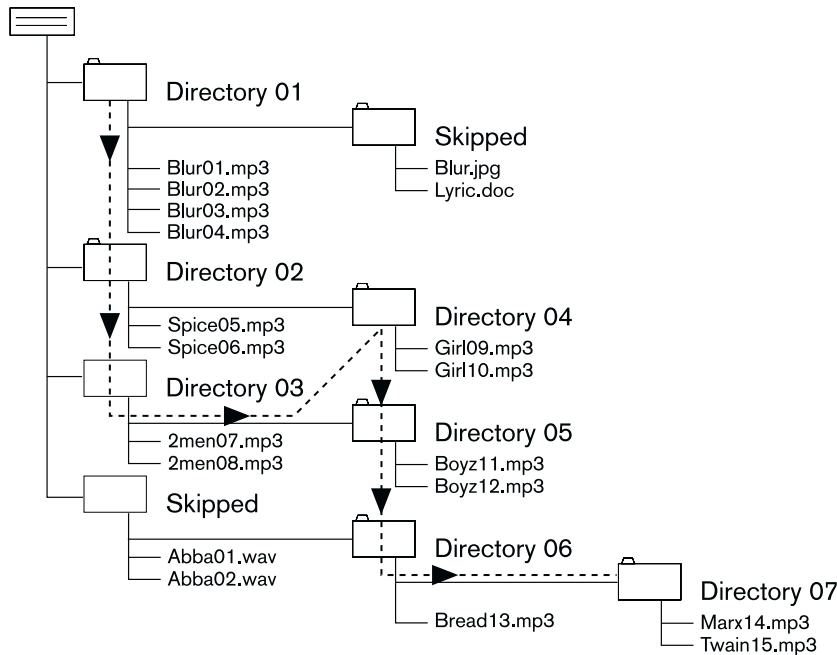
12

**OPERATION**

**SINGLE SESSION**
The following chart is an example of a Windows Explorer display that will appear on your computer monitor for a single session MP3 CD ROM with Folders/Albums. Check the added notes to help you understand the MP3 CD unit display and the playback sequence of folders/albums and tracks on a single session MP3 CD.

**MULTI SESSION**
The computer user does not need to finalize the CDR disc as music is burned on the CD. Because of this, the music can be downloaded at different times until the whole CD is full.

(E) CD-ROM drive

Directory 01

Skipped

Blur01.mp3
Blur02.mp3
Blur03.mp3
Blur04.mp3

Blur.jpg
Lyric.doc

Directory 02

Spice05.mp3
Spice06.mp3

Directory 04

Girl09.mp3
Girl10.mp3

Directory 03

Directory 05

2men07.mp3
2men08.mp3

Boyz11.mp3
Boyz12.mp3

Skipped

Abba01.wav
Abba02.wav

Directory 06

Bread13.mp3

Directory 07

Marx14.mp3
Twain15.mp3

• The arrow pathway shows the sequence of MP3 directory and file playback.
• This example has a total of 7 MP3 directories.
• Based on this layout, the first file will be "Blur01.mp3" and the last file will be "Twain15.mp3".
• "Skipped" denotes a directory which contains non-audio files only, e.g. jpg, wav, etc. These cannot be detected nor played on this player. When an album contains mixed format files, the non-MP3 files will be skipped.