Sima I-Mix
Model IM-120
User's Manual

Digital Audio Recorder with CD Player

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General Information

Before Using

Safety Instructions

This unit employs a laser. Due to the risk of eye injury, only a qualified service person should remove the cover or attempt to service this device. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Never make or change connections when the power is still switched on.

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL Un-insulated dangerous voltages present that may constitute a risk of electric shock..	**Caution :** To prevent the risk of electric shock, do not remove the cover (or back). No user- serviceable parts inside. Refer servicing to qualified service personnel.	**Warning!!** Please refer to important operating and maintenance (servicing) instructions in the literature accompanying this appliance.

Safety Check list
- ✓ Read these instructions and keep them for future reference.
- ✓ Heed all warnings and follow all instructions.
- ✓ Do not use this apparatus near water.
- ✓ Clean only with a damp cloth.
- ✓ Do not block any of the ventilation openings install in accordance with the manufacturers' instructions.
- ✓ Do not install near any heat surfaces such as radiator, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- ✓ Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- ✓ Protect the power cord from being walked on or pinched particularly at plugs convenience receptacles, and the point where they exit from the apparatus.
- ✓ Only use attachment/accessories specified by the manufacturer.
- ✓ Use only with a cart, stand tripod bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- ✓ Unplug this apparatus during lightening storms or when unused for long periods of time.
- ✓ Refer all servicing to qualified service personnel. Service is required when the apparatus has been damaged in any way, such as the power-supply cord or plug is damaged, if liquid has been spilled or an object has fallen into the apparatus or the apparatus has been exposed to rain or moisture, has been dropped, and does not operate normally.

General Information

FCC Rules & Warning

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference; and
(2) This device must accept any interference received including interference which may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Warning

Under no circumstances should you attempt to repair the I-MIX as this will expose you to unnecessary hazards. Do not use the I-MIX outdoors.

Legal Warning

1. Some copying may require the permission of the relevant copyright owner. We do not have the authority to grant any such permission.

2. Supply of this product only conveys a license for personal, private and non-commercial use and does not convey a license nor imply any rights to use this product in real time broadcasting (terrestrial, satellite, cable or other media) or broadcasting via the internet or other networks, such as but not limited to intranets or in pay-audio or audio-on-demand applications. An independent license for such use is required.

3. The company assumes no responsibility to the contents stored in the internal hard disk. Hard drives can and do fail. It is the responsibility of the user to maintain all original source material.

Maintenance

- Clean the I-MIX with a soft, slightly dampened lint-free cloth. Do not use any cleaning agents as they may have a corrosive effect.
- Do not expose the I-MIX or batteries to humidity, rain, direct sunlight or excessive heat.

Accessories Included

RCA cable
4, AA batteries
RM-12 Remote control
Data Link cable
PC Link Software
PC Link User Manual
IM-120 User Manual (this document)
Warranty Card
Registration Card
Quick Start Guide

General Information

Specifications - Model IM-120

Frequency Response	(CD to analog) 20 Hz to 20 kHz, +/- 1 db
	(Record to Play) 20 Hz to 20 kHz, +/- 3 db
Signal to noise ratio	90 db (A Weighted) Playback only
	85db Record to playback
Total Harmonic Distortion	<0.1% (CCITT weighted)
Inputs	Audio (analog), stereo, 1.3v rms, 100K impedance
Outputs	Audio (analog), stereo, 1.3v rms
	Optical (TOSLINK), S/PDIF format
	(IEC 958) 44.1 kHz, +/- 100 ppm
Computer connections	Parallel Port & USB Port (optional)
	SmartMedia Card slot
CDs Supported	Audio CD, CD-R and CD-RW with MP3 files
	12 cm and 8 cm
SmartMedia	Supports SSFDC standard, 16, 32, 64 Mbyte cards
A to D and D to A	A to D - 18 bit delta-sigma, 128 times over sampling, 44.1 KHz
	D to A - 24 bit delta-sigma, 128 times over sampling, 44.1 KHz
Memory	20 gig hard drive – approximately 310 hours
Internal Database	Over 280,000 album titles and approximately 3,500,000 song titles.
Compression	Encoding - MP3 @ 128 and 320kbs. PCM @ full CD quality (1,411kbs)
	Playback – 64, 96, 128, 160, 192, 256, 320kbs, CBR and VBR MP3 (MPEG1, MPEG2, Level 3), and full CD PCM
RM-12	2 way IR remote with graphic LCD panel with backlight
	Full alpha-numeric keypad and operational keys
PC Link Software	Connects your computer to the I-MIX via parallel port or optional USB interface:
	- Edit album, artist and track names on your PC
	- Search the web via CDDB for album, artist and track names
	- Transfer MP3 files from your PC to the I-MIX
	- Export song names for printing
Operating Temperature range	+40 to +95 F (+5 to +35C)
Power Requirements	100 to 240 VAC, 40 watts
Weight	12 lbs. Net
Size	17" wide x 11" deep x 3.75" tall

Specifications are subject to change without notice. Weight and dimensions are approximate.

Information

The I-MIX comes with a pre-installed CD Database system that will recognize many popular CDs automatically. This system does not require the I-MIX to be on-line to work. The database includes over 280,000 popular CDs and 3.5 million songs for easy recognition. It can be increased with CD upgrades from time to time. Some CDs will not be supported, although it is our commitment to expand the database continuously.

MPEG Layer 3 audio coding technology licensed from THOMSON Multimedia.

<u>Welcome to the I-MIX Digital Audio Recorder</u>

Thank you for purchasing the Sima IM-120.

Your complete music collection can now be kept in one box. The I-Mix is an innovative digital jukebox that enables you to store, organize and listen to <u>all</u> of your music from one compact central location. You can download MP3 music files from your computer as well as convert all of your cassette tapes, vinyl albums, 8 track tapes and more into digital music files quickly and easily. And the 20 gigabyte hard drive is capable of storing more than 20,000 minutes of music - approximately 5000 songs!

Your I-Mix is equipped with the following features:
- An internal database to identify song, album or artist titles. (So you don't have to type all those names in.)
- A unique two-way infrared remote control with a full-function keyboard.
- Support for parallel port and optional USB connections for PC.
- Plays original audio CDs, CDs containing MP3s, and CD-R/RW discs.
- The ability to create your own custom playlists.
- A powerful Digital Signal Processor (DSP), capable of executing more than 100 million instructions per second.
- Six times (6X) normal speed for recording a CD.
- 50 times (50X) normal speed for recording MP3 files from CD-R. Using our PC Link program and an Internet-connected PC, you can access CDDB – a music database website containing over half a million CD album titles.
- The IM-120 is also equipped with a SmartMedia [tm] slot, which enables your to transfer music from the I-Mix to a portable MP3 player.

<u>Maximum capacities for version 1.68</u>

Max # of Songs	7166	Songs per playlist	250	Tracks per CD	99
Max. # of Albums	7166	Song length @ 128kbs	760 min	Max. File size	900 Mb
Max. # of Artists	7166	Song length @ 320kbs	316 min		
Max. # of Playlists	200	Song length @ full CD quality	71 min		

Please take the time to read this manual and become familiar with how the I-Mix works. In no time, you will enjoy your music collection in a simple, fun and affordable way - the Sima way.

Front Panel Diagram

Names and Functions
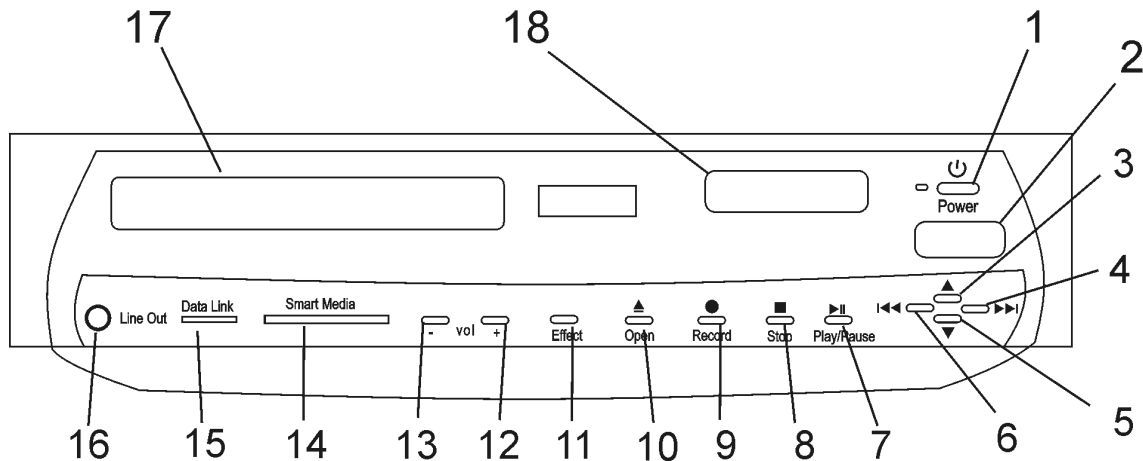
#	Button	Logo	Function
1	Power		To start up the I-MIX or to put it into sleep mode.
2	IR remote window		Sends and receives infra-red signals between the remote control and the I-Mix deck.
3	Up arrow	▲	To move the cursor to the previous selection. (The screen will display the previous item in the list.)
4	Fast Fwd.	▶▶▎	To scan forward or skip tracks forward.
5	Down arrow	▼	To move the cursor to the next selection. (The screen will display the next item in the list.)
6	Rew.	▎◀◀	To scan backward or skip tracks backward.
7	Play/Pause	▶ ‖	To start and pause the playing or to select the chosen icon.
8	Stop	■	To stop playing and recording of music .
9	Record	●	To record the contents of a CD or line-in feed.
10	Open		To open and close the CD tray.
11	Effect		To display / change the current sound effect.
12	Volume up	+	To increase the volume.
13	Volume down	-	To decrease the volume.
14	Smart Media		Slot for downloading MP3 files onto Smart Media cards
15	Data Link		Slot for Data Link adapter on PC Link cable for connection to parallel on PC.
16	Line Out		For wireless headphones.
17	CD Tray		To insert CDs into I-Mix for recording and playing.
18	LCD display		Displays song titles, messages and menu lists.

RM-12 Remote Control

Names and Functions
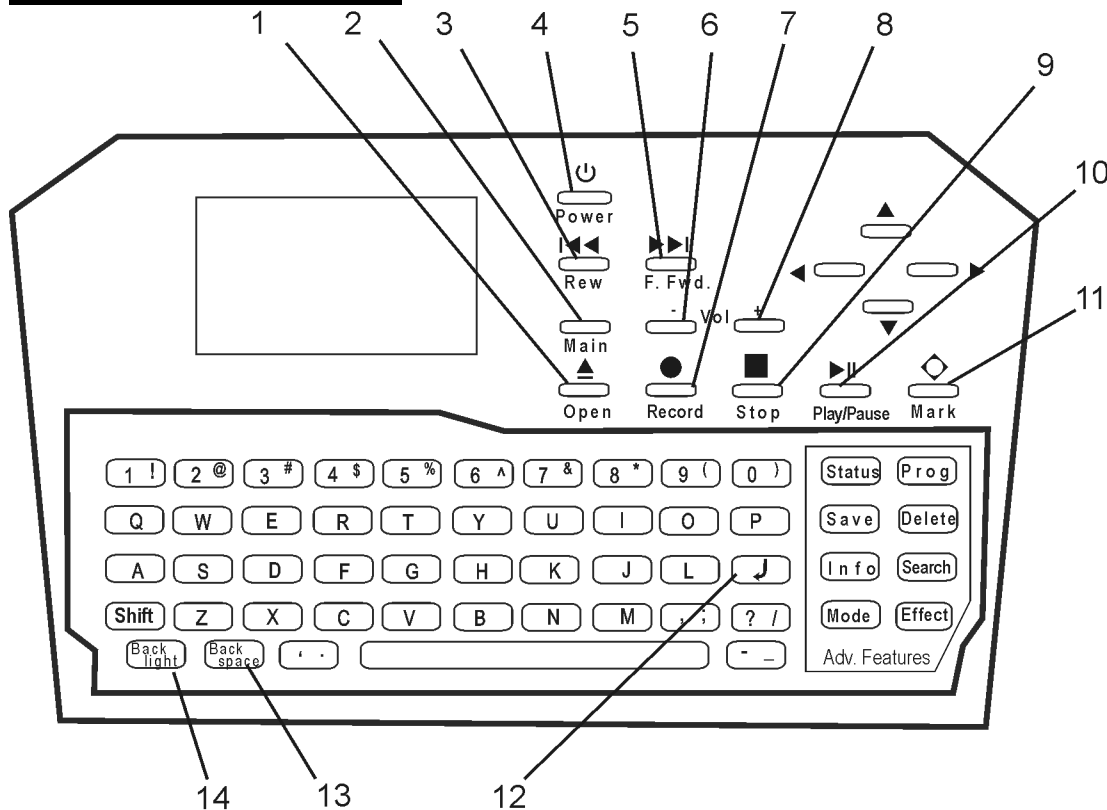
Button #	Button	Logo	Function
1	Open		To open and close the CD tray.
2	Main		Return to the Main menu immediately or abort current procedure.
3	Rew.	◄◄	To scan backward or skip tracks backward
4	Power		To toggle among operation modes: quick access mode; full function mode and power off.
5	F. Fwd.	►►|	To scan forward or skip tracks forward
6	Volume down	-	To decrease the volume.
7	Record	●	To bring up the Record menu.
8	Volume up	+	To increase the volume.
9	Stop	■	To stop the playing of music and other operations immediately.
10	Play/Pause	► II	To start and pause the playing or to select the chosen icon.
11	Mark		Mark and unmark tracks for programming playlists.
12	Return		To enter information using the keypad.
13	Back Space		Use to make typing corrections on the keypad.
14	Backlight		To turn on the backlight on the display.
	Keyboard		For entering characters and numbers.

RM-12 direction buttons
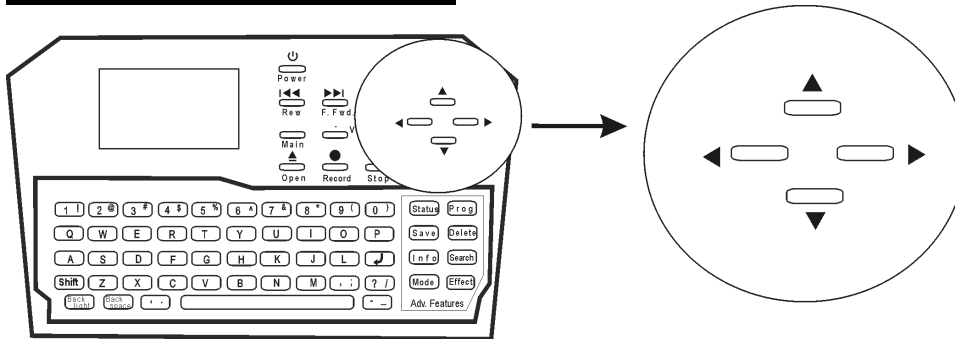
Left arrow	◄	Go back to the previous menu
Up arrow	▲	Moves the cursor up through a current menu list.
Right arrow	►	Go forward to the next menu or play the selected album or song.
Down arrow	▼	To move the cursor down through a current menu list.

RM-12 Program Buttons

The Program buttons on the RM-12 perform advanced functions allowing you to organize your database, navigate through your music collection and create custom playlists. These advanced features are discussed more thoroughly in the Advanced Features section of this manual beginning on page ?
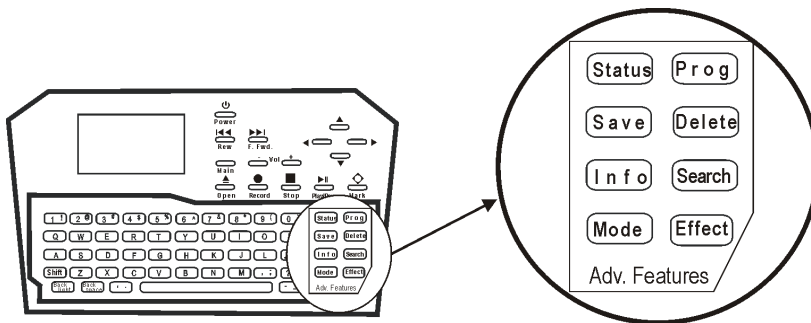
Status		Displays the current status of the I-Mix.
Program		Use to create temporary and permanent playlists.
Save		To save the changes made.
Delete		To delete albums, artists, songs or playlists.
Info		Displays information for a selected song / album / artist and provides access the internal database for Intelligent CD Recognition.
Search		To search the music archive for a song / album / artist..
Play Mode		To toggle among play modes: Normal / Repeat One / Repeat All / Random / Intro
Effect		To display and change the current sound effect.

Making Connections

Connecting the I-Mix to your stereo system

AC power cord
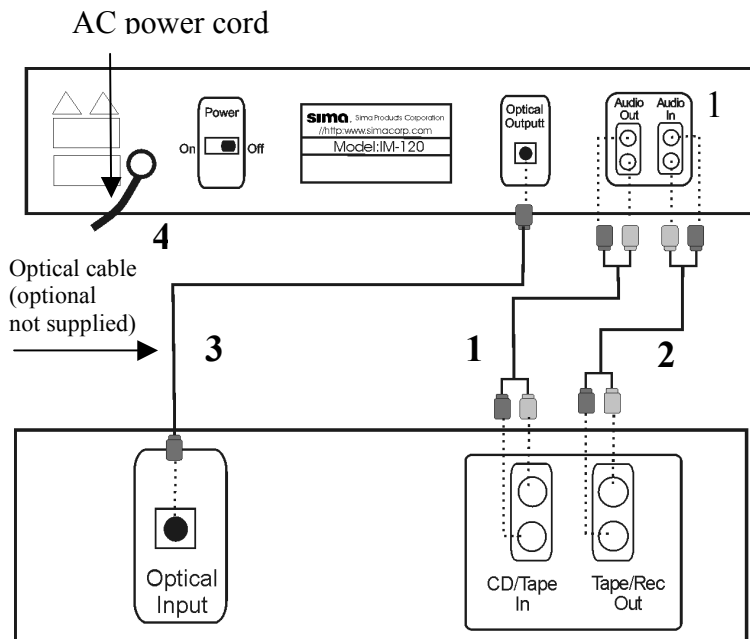
Using standard RCA pin-type connectors

1. Connect the tape or CD input of your amplifier to the audio output of the I-Mix.

2. To record from an analog source such as a tape player or radio, connect the tape or record output on your stereo receiver/amplifier to the audio input of the I-Mix.

3. If your receiver has an optical /digital input - connect the optical output of your I-Mix to the optical input of your stereo amplifier. See connection diagram above.

4. Connect the AC power cord to a standard 120VAC outlet.

Connecting the I-Mix to your PC

To connect the I-Mix to your PC, refer to the PC Link Manual included with your unit.

Powering up

The power switch on the back panel of the unit switches on the AC power supply. Once the I-Mix is connected, turn this switch on. It is unnecessary to turn the power off using this switch unless you are unplugging the unit from the wall outlet. Use the power button on the front of the unit to turn the I-Mix off and on during normal use. **Note**: When you turn the I-Mix off using the front panel button. it may go into a "sleep mode" to compress music which has been recorded. Press the power button a second time to stop file compression – only the amber stand-by light is on before you unplug or turn off the rear power switch.

Using the RM-12

The RM-12 is a sophisticated, two-way remote control, which uses an infrared light (IR) signal to send and receive information. In order to complete an instruction sequence, the RM-12 must be aimed at the I-Mix unit until all the commands have been executed. When you press a button, the remote sends a signal to the IM-120, which processes the signal. In return, the IM-120 sends back information which is displayed on the remote's LCD screen. If it cannot complete the communication sequence, the RM-12 will display an "IR Retry" prompt.
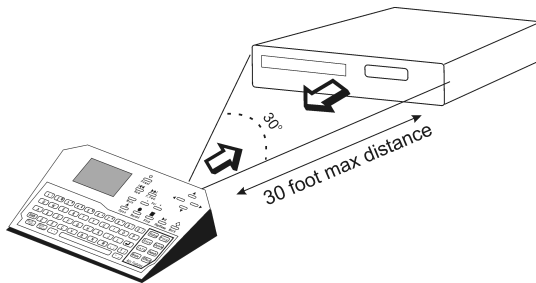
30°
30 foot max distance

The remote also has a unique three-step power button that allows it to enter an idle energy-saving mode if unused for more than 5 minutes. Take a moment to review the chart below, which illustrates the functions of the power button.

RM-12 status	IM-120 status	RM-12 POWER Button	Result
Off	Off	Press POWER once	IM-120 and RM-12 will turn on.
Off	Off	Press POWER twice	IM-120 and RM-12 will turn on.
Off	On	Press POWER once	IM-120 will stay on and RM-12 will enter quick function mode.
Off	On	Press POWER twice	IM-120 will stay on and RM-12 will enter full function mode
Off	On	Press POWER three times	IM-120 and RM-12 will both turn off.
On	On	Press POWER once	IM-120 and RM-12 will both turn off.

The RM-12's LCD screen provides information with words and symbols. Use the following screen representations as a guide to interpret the LCD screen.

More lines above

Album folder

HDD (Album)   ▲

🗀 Abbey Road

🗀 Backstreet Boys

Selected item   ➪🗀 Supernatural

Compressed track

HDD (Album)

♪ (De La) Yaleo   ◆   **Marked track**

♪ Love of My Life

Uncompressed track   ♪ Turn Your Lights On

♪ Africa Bamba

More lines below

Play mode (Random shown)   �oR   Key   ▼

Indicates that an RM-12 button has been pressed, waiting for response from IM-120.

14
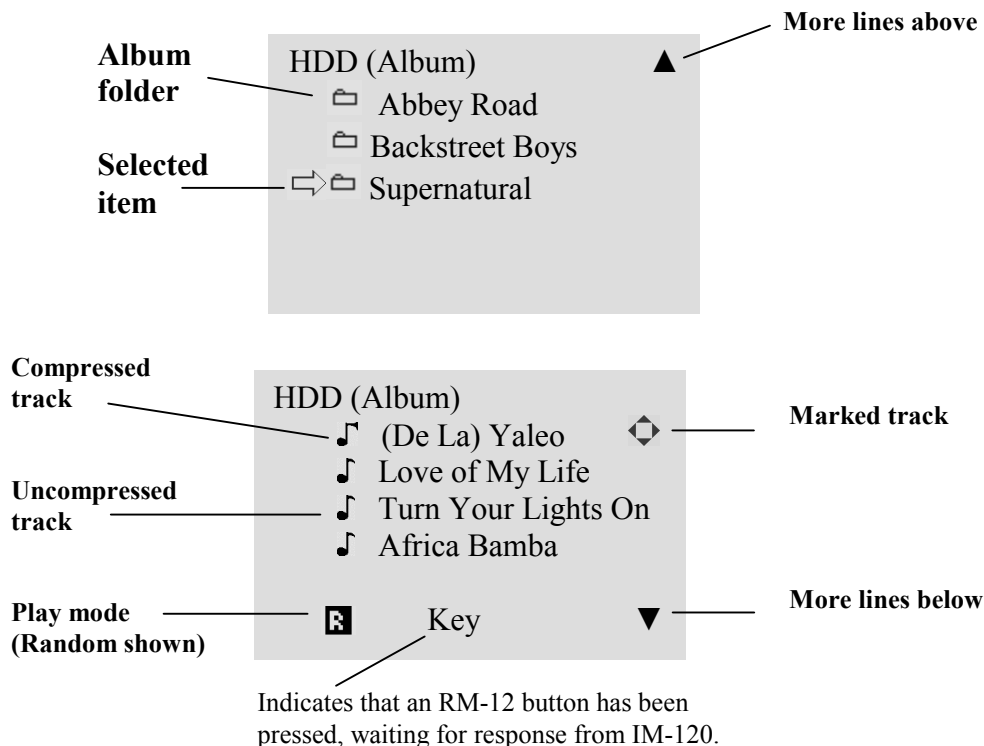
Mastering the basics
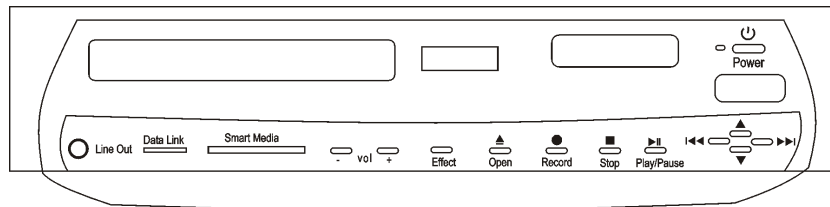
How to Play, Record and Identify your music

Getting Started

  This section of the manual is designed to show how basic functions can be performed using either the I-Mix's front panel buttons or the remote control.

  The left-hand page shows a diagram of the IM-120, its LCD display and a numbered set of step-by-step instructions for using the front panel controls.

  The right-hand page shows a diagram of the IM-120's LCD display, the RM-12's LCD screen and a numbered set of step-by-step instructions for using the remote control.
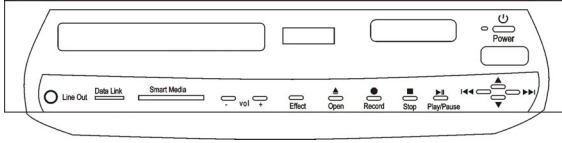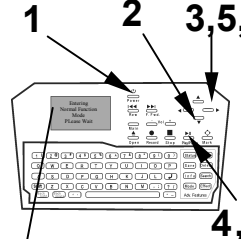
Play the Introduction - Using the front panel controls

To confirm that the I-Mix is successfully connected to your stereo system, you can play a pre-recorded MP3 introduction by following the steps below. Make sure the IM-120 and the RM-12 are off when you begin. No information will appear on the remote screen when using the IM-120's front panel controls.

1. **Press the Power button on the IM-120.**
   The LCD display will light up green and display "I-Mix" for about 10 seconds. An audio greeting will be heard. "CD" will appear in the LCD display indicating the I-Mix is at the main menu and ready to go.

2. **Press the Down button (▼) to select the HDD (Album) menu**

3. **Press the Play/Pause button (▶||) to display the album list.**

   "Introduction" will appear on the line below HDD (Album).
   Tip: Use the Up/Down arrows (▲/▼), if necessary, to select Introduction.

4. **Press the Play/Pause button (▶||) to play.**
   While playing, the IM-120's LCD display will show a play symbol (▶), the track number and a countdown clock on the top line. The song, album and artist names will scroll along the bottom.

I-Mix LCD Display

I-Mix

CD

HDD (Album)

HDD (Album)
Introduction

▶   1/1   0:01
duction... Introduction...

16
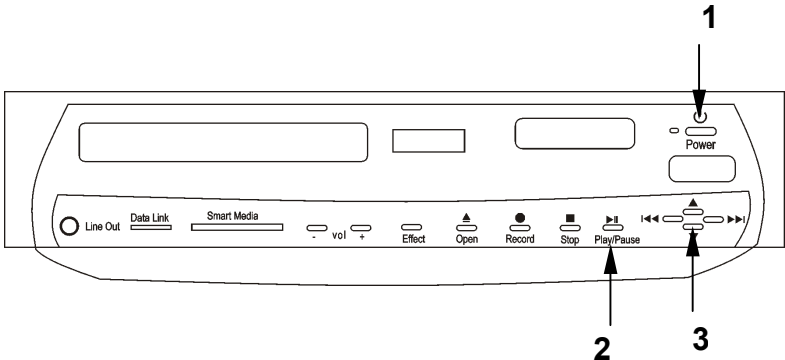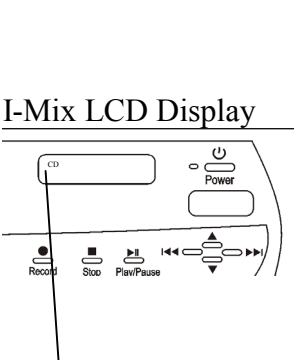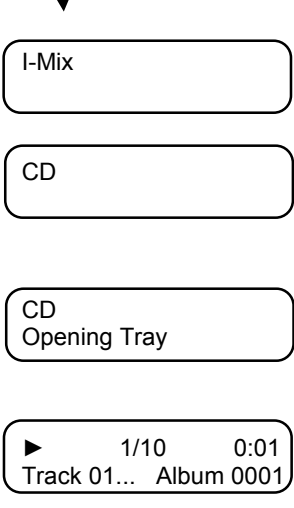
Play the Introduction - Using the remote control

   To play the pre-recorded introduction using the remote control, follow the steps below. The IM-120's display screen is shown in the left-hand column. The RM-12 screen is shown in the right-hand column. The center column has numbered, step-by-step instructions. Make sure the IM-120 and the RM-12 are off when you begin.

I-Mix LCD Display	1. Press the Power button on the remote twice to turn the I-Mix on.	Remote Control LCD screen
I-Mix	The I-Mix's LCD display will light up green and display "I-Mix" for a few seconds. An audio greeting will be heard. Then "CD" will appear indicating the I-Mix is ready.	Entering Normal Function Mode Please wait
CD	The remote will briefly display the message in Fig. A - then display the main menu shown in Fig. B.	Processing Fig. A
	Tip: The RM-12 sends and receives information from the I-Mix. Be sure to point the remote at the IM-120 throughout the command sequence.	Main Menu ⇨ CD HDD (Album) HDD (Artist) Playlist ▼ Fig. B
HDD (Album)	2. Press the Down button (▼) to select the HDD (Album) menu.	Main Menu CD ⇨ HDD (Album) HDD (Artist) Playlist Last 20 ▼
HDD (Album)	3. Press the Right arrow (►) to display the album list. Press the **Up/Down arrows** (▲/▼) if necessary, to select Introduction.	HDD (Album) ⇨ Introduction
► 1/1 0:01 Introduction...	4. Press the Play/Pause button (►||) to start playing the Introduction.	HDD (Album) ⇨ Intro

Play a CD – Using the Front panel controls

The I-Mix can play audio CDs like other CD players. It can also play CD-ROMs or CD-R/RWs containing MP3 files. To play a CD, follow the step-by-step instructions below: Make sure the I-Mix is off when you begin.

I-Mix LCD Display

1. Press the power button on the IM-120.

The LCD display will light up green and display "I-Mix" for about 10 seconds. Then "CD" will appear indicating the unit is ready to go.

> I-Mix

> CD

2. Press the OPEN button to open the CD tray.
Insert a CD.

> CD
> Opening Tray

3. Press the Play/pause button (▶❙❙) to close the CD tray and start playing.

> ▶   1/10   0:01
> Track 01... Album 0001

   Note: There is a brief pause of about 5 seconds after the tray closes, before the CD begins to play. The CD will begin to play from Track 01.

   While playing, the IM-120's LCD display will show a Play symbol (►), the track number and a countdown clock on the top line. The song, album and artist names will scroll along the bottom.

   Note: The album will not be identified at this time. A generic name such as !Album 0001 will appear on the LCD display.
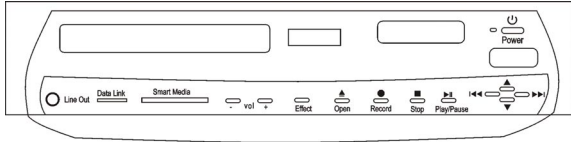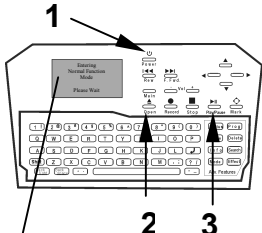
Play a CD - Using the remote control

The I-Mix can play audio CDs like other CD players. It can also play CD-ROMs or CD-R/RWs containing MP3 files. To play a CD using the remote control, follow the instructions below. Make sure the IM-120 and the RM-12 are off when you begin.

I-Mix LCD Display		Remote control screen
I-Mix	**1. Press the Power button twice on the remote control to turn on the I-Mix.** LCD display will light up green and display "I-Mix" for a few seconds. Then "CD" will appear indicating unit is ready. The RM-12 will briefly display the message in Fig. A - then revert to the normal function mode shown in Fig. B. The RM-12 sends and receives information from the deck. Be sure to point it at the I-Mix unit throughout the command sequence.	Entering Normal Function Mode Please wait A
CD		
CD Opening Tray	**2. Press the OPEN button to open the CD tray.** Insert a CD.	⇨ CD HDD (Album) HDD (Artist) Playlist Last 20 ▼ B

► 1/10 0:01
 !Album 0001 ...
	3. Press the Play/pause button (►II) to start playing.
	   The tray will close. The CD will begin to play from Track 01 and the IM-120's LCD display will show a play symbol (►), the track number and a countdown clock on the top line. The song, album and artist name will scroll along the bottom.
	   To select a specific song, skip step 3 and follow steps 4, 5, and 6 using the remote control.
		⇨ CD
		 HDD (Album)
		 HDD Artist
		 Playlist
		 Last 20
		         Key ▼

	4. Press the Right arrow (▶) to enter the song menu. The tray will close **5. Use the Up/Down arrows (▲/▼) to select a song.** **6. Press the Play/pause (►II) button or the right arrow (▶) to play.**	CD ♪ Track 01 ♪ Track 02 ⇨ ♪ Track 03 ♪ Track 04 ▼

Record a CD - Using the front panel controls

The I-Mix has three different modes for recording your audio CDs: Rapid Archive, Play and Compress or Compress. The **Rapid Archive** mode enables you to record a CD at six times normal speed (6X). You cannot listen to a CD being recorded in the Rapid Archive mode. To enable the rapid transfer of a CD to the hard drive, the file will be compressed later, when the I-Mix is turned off. It will enter a "sleep" mode to compress all uncompressed music and then turn off automatically.

The **Play and Compress** mode lets you listen to the CD while compressing it to the hard drive in MP3 format at normal play speed. The **Compress** mode compresses the music to the hard drive in MP3 format at normal play speed without playing it. To learn more about these recording modes and the "sleep"/compression mode, see the Advanced Features section of the manual on pages 35 – 39.

A generic name, such as !Album 0001 will be assigned to each recorded album. To provide song/album/artist title information for your albums, see the Intelligent CD Recognition section on page 40.

To record a CD in the Rapid Archive mode, follow the instructions below.

Be sure the IM-120 and the RM-12 are turned on before you begin.	
1. Press the OPEN button to open the CD tray. Insert a CD.	▼ I-Mix LCD Display CD
	CD Opening Tray
2. Press the Record button (●) to start recording. The tray will close. After a brief pause (10 sec.), the I-Mix will begin to "Rapid Archive" your CD at six times normal speed. In mode you will not hear music being played.	CD Record
The compression rate will be displayed prior to recording.	Record 128 kbps
Note: While recording, on the top line of the IM-120's LCD display will show a record symbol (●), the track number and a countdown clock. The song, album and artist name will scroll along the bottom line.	● 1/10 3:56 Track 01... Album 0001
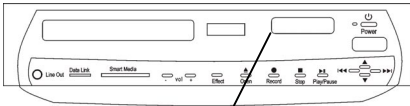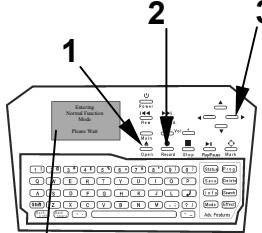
Record a CD - Using the remote control

    To record a CD in the Rapid Archive mode, follow the instructions below. Be sure the IM-120 and the RM-12 are turned on and in the Main menu before you begin.

I-Mix LCD Display

```
CD
```

```
CD
Opening Tray
```

```
CD
Record
```

```
Record
128 kpbs
```

```
●  1/10  3:56
Track  01...
```

Remote Control Screen

1. **Press the OPEN button to open the CD tray.** Insert a CD.

2. **Press the Record button (●) to enter the Record menu.**
The tray will close. After a brief pause (10 sec.), the RM-12 will display the Record menu. Use the **Up/Down arrows (▲/▼)** if needed to select Rapid Archive.

3. **Press the Right arrow (►) or the Record button (●) to begin recording.**
The I-Mix will begin to "Rapid Archive" your CD at six times normal speed.

The compression rate will be displayed on the RM-12 screen prior to recording.

Note: While recording, the IM-120's LCD display will show a record symbol (●), the track number and a countdown clock on the top line. The song, album and artist name will scroll along the bottom line.

```
⇨ CD
   HDD (Album)
   HDD (Artist)
   Playlist
   Last 20
     Please Wait    ▼
```

```
   Record Audio CD
⇨ Rapid Archive
   Compress
   Play and Comp
   Compress Bit Rate
```

```
   Now Recording
        at
   128 kbps
```

21

Naming a CD after recording
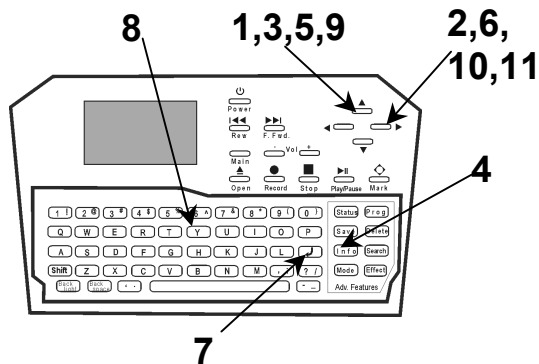
You can use Intelligent CD Recognition to identify albums after recording them. To help you identify the album name and song titles, the I-Mix is equipped with an internal database of over 280,000 album names and 3.5 million song titles.

The database identifies a CD based on the information you enter and the number of tracks on the CD. Upon successfully identifying a CD, the album name and song titles will automatically appear in the corresponding menus.

If not identified prior to recording, albums will be assigned a generic name, such as "!Album 0001". Generic albums names begin with an exclamation point - !Album 0001 - and appear at the beginning of the HDD (Album) list. The most recently recorded album will be given the highest number. Songs will be listed as Track 01, Track 02 and so on.

Main Menu
   CD
⇨ HDD (Album)
   HDD (Artist)
   Playlist
   Last 20   ▼

1. Use the **Up/Down arrow (▲/▼)** to select HDD (Album) in the Main menu.

2. Press the **Right arrow (►)** to enter the Album list menu.

HDD Album

   !Album 0001
⇨   !Album 0002
    !Album 0003
    !Album 0004   ▼

3. Use the **Up/Down arrow (▲/▼)** to select the desired album.

4. Press the **Info** button to enter the Album Info menu

Album Info

⇨ CD Recognition
   Manual Input

5. Press the **Right arrow (►)** to enter the CD Recognition menu.

CD Recognition can be done either by the **Title** – using the first few words of the album title or a **Keyword** - any keyword in the title of the album. **Tip:** Searching by title is faster.

CD Recognition

⇨ By Title
   By Keyword

Press <Main> to Quit

6. Use the **Up/Down arrows (▲/▼)** to select the desired mode. In this example we will search by Title .

7. Press the **Right arrow (►)** to enter the desired menu.

By Title

□ time

Press <Main> to Quit

8. Using the keypad, type in the search word(s), then press the **Return button (   )** on the Alphanumeric Keyboard. For this example, we used the word "t ime" to search for "Time Out" by The Dave Brubeck Quartet.

By Title

□ Time Out
Hit: 7
Show Results (Y/N)?
Press <Main> to Quit

The number of possible matches will be displayed. Be patient. It may take up to 1 minute to search the entire database when searching by keyword. When the number of matches (hits) is displayed, you will be prompted to choose whether or not to view the list. Press **"y"** to display the list of possible matches. Press **"n"** to go back to the previous screen to edit the search words.

Discs Found
        Time
        Time Capsule
        Time In Place
⇨   Time Out
        Time to Turn   ▼

9. Use the **Up / Down arrows (▲/▼)** to move the cursor to select an album name.

Discs Found
    ♪ Blue Rondo A La
    ♪ Strange Meadow
    ♪ Take Five
    ♪ Three to Get Rea
                            ▼

10. Press the **Right arrow (▶)** to display the song list of the album. The song list will help you confirm that it is the correct CD. Matches are based on the album title and the number of songs on the CD. **Note**: If the songs displayed are not correct, press the **Left arrow (◀)** to return to the album list and then the **Up/Down (▲/▼)** arrows to select another album.

11. Press the **Right arrow (▶)** to accept the match. After a short wait, the LCD display will return to the HDD (Album) menu. The album, artist and song names from the database will replace the generic names.

Note: If the desired album is not found, change the parameters of the search and repeat the search process. You can also name a CD manually. To do so, see Manually Enter CD Information in the Advanced Features section of this manual on page 42.

Play from the Hard Drive - Using the front panel controls

Be sure the IM-120 and the RM-12 are both turned on and in the Main menu.

2,4   **1,3**

I-Mix LCD
Display
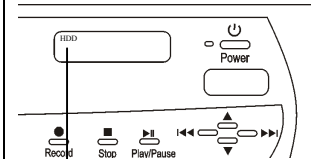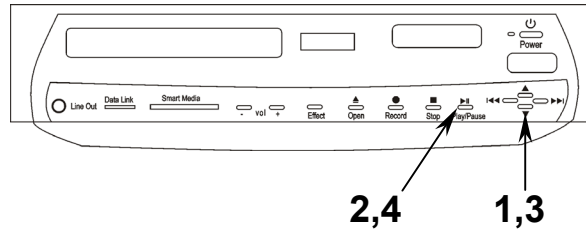
1. **Press the Up/Down Arrow (▲/▼) to select HDD (Album) in the main menu.**

   HDD (Album)
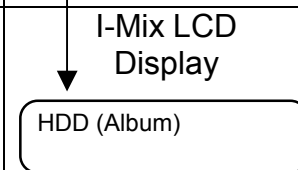
2. **Press the Play/Pause button (► ‖) to display the album list**

   HDD (Album)
   !Album 0001

3. **Press the Up/Down arrows (▲/▼) to scroll through the Album list.**

   Select the album you want to play. (The LCD display will return to the Main menu if a selection is not made within 5 sec.)

4. **Press Play (► ‖) to play.**
   The album will begin to play starting with the first track.

   ►   1/10   0:01
   !Album 0001... Track 01.
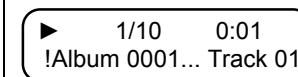
Play from the Hard Drive - Using the remote control

Be sure the IM-120 and the RM-12 are both turned on and in the Main menu.
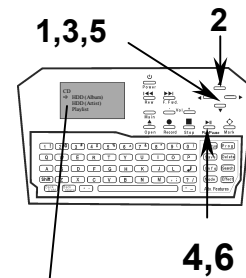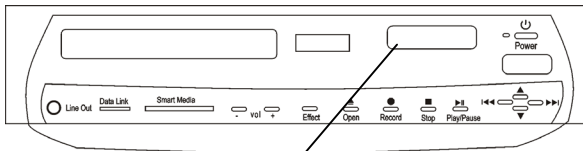
1,3,5   **2**

4,6

I-Mix LCD Display		Remote Control Screen
	1. Press the Up/Down arrow (▲/▼) to select HDD (Album) in the main menu.	
HDD		CD ⇨ HDD (Album) HDD (Artist) Playlist Last 20 ▼
	2. Press the Right arrow (►) to display the Album list.	
	3. Press the Up/Down arrows (▲/▼) to scroll through the Album list. Select the album you want to play.	
HDD (Album)	**4.** Press the Play/Pause button (►ǁ) to play the album. The entire album will play beginning with the first song. To select a specific song from this album, skip step 4 and go to step 5.	HDD Album ⇨ !Album 0001 !Album 0002 !Album 0003 !Album 0004 ▼
	5. Press the Right arrow (►) to enter the song list menu.	HDD Album Track 01 Track 02 ⇨ Track 03 Track 04 ▼
► 1/10 0:001 !Album 0001...	**6.** Use the Up/Down arrows (▲/▼) to scroll through the song list and select a song.	
	7. Press the Play/Pause button (►ǁ) or Right arrow (►) to play the indicated song.	

Basic CD player functions

Use the **F. Fwd**. (▶▶) **Rew**. (◀◀) **Stop** (■) and **Play/Pause** (▶II) buttons on the front panel and the remote control to operate the basic play functions of the CD player.

The Fast Forward button
- Press the **F. Fwd**. button (▶▶) once to play the next track.
- Pressing and holding the **F. Fwd.** button (▶▶) will scan forward through a song.

The Rewind button
- Press the **Rew**. button (◀◀) once to start playing from the beginning of the current track.
- Press the **Rew**. button (◀◀) twice to start playing the previous track.
- Press and hold the **Rew**. (◀◀) to scan backwards through a song.

Play/Pause button
Press the **Play/Pause** button (▶II) to start playing a CD. The **Play/Pause** button (▶II) also acts as a pause button while playing a CD. Press once to pause, press again to resume playing.

Adjusting the volume
To adjust the volume, press the + (raise) or - (lower) buttons. The volume can be adjusted from 0-100%. **Note**: The volume adjustment does not change the volume of the digital output.

Using sound effects
To improve sound quality, the I-Mix is equipped with a tone control feature. To change the sound quality during playback, press the **Effect** button on either the front panel or the remote control. Pressing the **Effect** button repeatedly cycles through the options.
Use the chart below to select the effect you want.

Style	Characteristic
Normal	Normal play – no effect.
Bass 1	A medium boost to the bass.
Bass 2	A stronger boost to the bass.
Classical	To boost the entire audio range.

Table of Contents for How Do I?

The How Do I? section of this manual is a quick reference guide to help you use the key features and functions of the IM-120.

How Do I record music...

How Do I find and play my music...

How Do I organize my music...

How do I change the system settings...

How Do I Connect to my computer...

<u>Recording - How Do I...</u>

... Record a CD into the I-Mix?

To record a CD using the front panel controls:
- Insert the CD and close the tray.
- Use the **Up/Down arrows** (▲/▼)to select "CD" in the main menu and press the **Record** (●) button on the front panel.
- Your CD will be recorded in the Rapid Archive mode.

Note: The CD will be recorded at whatever rate compression has been set for CDs. The default rate of compression is 128kbs.

To use the remote control:
- Use the **Up/Down arrows** (▲/▼)to select "CD" in the main menu
- Press the **Record** button (●).
- Use the **Up/Down arrows** (▲/▼)to select Rapid Archive in the record menu.
- Press either the **Record** (●) or **Right arrow** (►) buttons to begin recording.

... Record selected tracks from a CD?

To record a specific song or songs from a CD, you must first make a temporary playlist of the desired tracks.

To make the temporary playlist:
- Insert the CD and close the tray.
- (Optional step: You can use Intelligent CD Recognition to identify the CD at this time.}
- Select "CD" in the main menu, and press the **Right arrow** (►) on the remote control to display the song list.
- Use the **Up/Down arrows** (▲/▼) to navigate through the song list.
- Press the **Mark** (✧) button to identify the tracks you wish to record. A ✧ will appear to the right of songs you mark. Tip: press the **Mark** button again to un-mark your selections.
- Press the **Program** button to create a temporary playlist.
- Press the **Record** button (●) to enter the record menu and select the recording mode you want.
- Press the **Right arrow** (►) or **Record** (●) buttons to begin recording.

Note: Temporary playlists should only include songs on the CD. If it includes music from the hard drive, those items will not be included on the temporary playlist.

... Record and listen at the same time?

To record and listen to music you must use the Play and Compress recording mode.

To Play and Compress a CD:
- Insert the CD and close the tray.
- Select "CD" in the main menu, and press the **Record** button **(●)** on the remote control to display the record menu.
- Use the **Up/Down arrows** (▲/▼)select Play and Compress.
- Press the **Record button** (●) or **Right arrow** (►) to begin recording/playing.

... Record a tape, record, or radio/TV feed into the I-Mix?

To record from an analog source such as tape, record or radio be sure the line-in audio connection is properly hooked up. Then:

- Press the **Up/Down arrows (▲/▼)** to select **Line-in** on the main menu.
- Tip: You can listen to the line-in source by pressing **Play** before recording.
- Press the **Record** button (●) on the front panel when ready to start recording.

or using the remote control,

- Press the **Up/Down arrows (▲/▼)** to select **Line-in** on the main menu.
- Press the **Record** button (●).
- Press the **Right arrow (►)** to enter the record menu.
- Press the **Up/Down arrows (▲/▼)**, if needed, to select the Play and Compress mode.
- To begin recording, press the **Right arrow (►)** or **Record** (●) buttons.

Note: to create separate songs while recording from an analog source, press the **Record (●)** button when you want a new track to begin. Press the **Stop** button **(■)** to end recording.

Record music from the I-Mix?

Music stored in the I-Mix can be copied in two ways. It can be output through the unit's analog or optical outputs or downloaded to a SmartMedia^{TM} card. Only compressed MP3 files can be downloaded onto a SmartMedia^{tm} card. **Note**: The I-Mix will not transfer songs directly from a CD onto a SmartMedia^{tm} card.

To record through the unit's analog or optical outputs make sure the Line In and Optical connections are properly hooked up.

- Press the **Up/Down arrows (▲/▼)** to select the music you want to record**.**
- Press the **Play/Pause button (► ‖)** to begin playing.
- Record the output as desired.

To download a single song onto a SmartMedia^{TM} card:

- Make sure the SmartMedia^{tm} card is inserted in the appropriate slot in the I-Mix.
- Use any method to select a single song from the hard drive.
- When a song is selected, press the **Record (●)** button to enter the Download SMC menu.
- Choose Download MP3 and press the **Right arrow (►)** button to download the song.

To download more than one song: you must select either an existing playlist or create a temporary playlist.

- Use the **Up/Down arrows (▲/▼)** to select Playlist in the Main menu.
- Select a playlist.
- If you wish to download the entire playlist, press the **Mark (↻)** button at this point. All the songs on the playlist will be marked for downloading.
- To select specific songs from the playlist, press the **Right arrow (►)** to display the song list.
- Using the **Up/Down arrows (▲/▼)** and the **Mark (↻)** button, select the songs you wish to download. (Press Mark again to un-mark songs as needed.)
- Press the **Record (●)** button to enter the SMC Download menu.
- Select Download MP3 and press the **Right arrow (►)** button to download.

To create a temporary playlist:
- Use any method to select the songs/albums/artists you want to download.
- Use the **Mark (↻)** button to identify the songs you want.
- Press the **Program** button to display the selected tracks.
- Press the **Record** button (●)to enter the Temp List Record menu.
- Use the **Up/Down arrows (▲/▼)** to select Download SMC.
- Press the **Right arrow (►)** button to download the songs to the SmartMedia^{tm} card.

... Record at a different compression rate?

The I-Mix compresses your music to save space on the hard drive. (See page 38 for more information.) Music recorded at full CD quality takes up more space on the I-Mix hard drive than music recorded at 320 or 128 kbps but sounds better. You can set the compression rate independently for both CD and analog recording. Set the compression rate before recording, it cannot be changed after recording.

To change the compression bit rate in the Record menu:
- Use the **Up/Down arrows** (▲/▼) to select CD or Line In on the main menu.
- Press the **Record** button (●) on the remote control, then press the **Down arrow** (▼) button to select Compress Bit Rate. The setting is shown at the bottom of the display.
- Press the **Right arrow (►)** to cycle through the compression settings.
- Press once to select 320 kbps, press again to select Full CD Quality (1,400 kbps), press again to select 128 kbps.
- To exit without recording, press **Main** or **Left arrow (◄)** to return to the main menu.

To change the compression rate in the System menu:
- Use the **Up/Down arrows** (▲/▼) to select System in the main menu.
- Press the **Right arrow (►)** to enter the System menu.
- Press the **Down arrow** (▼) to select Record Setting.
- You have two choices displayed: CD Recording and Line-In Recording. Select the category of your choice.
- Press the **Right arrow (►)** to cycle through the three compression settings: 128 kbs, 320kbs and Full CD Quality. After selecting the rate you want:
- Press the **Left arrow (◄)** to return to System menu or **Main** button to return to the Main menu.

How Do I Find and Play...

... a specific album stored in the I-Mix?
Using the front panel controls:
- Use the **Up/Down arrows** (▲/▼) on the front panel to select HDD (Album) in the Main Menu.
- Press the **Play/Pause** button **(► ‖)** to display the album list.
- Use the **Up/Down arrows** (▲/▼) to select the album you want.
- Press the **Play/Pause** button **(► ‖)** to playing the album.

Using the remote control:
- Use the **Up/Down arrows** (▲/▼) to select HDD (Album) in the Main Menu.
- Press the **Right arrow (►)** to display the album list.
- Tip: Press a letter (A to Z) on the keyboard to jump to titles that begin with that letter.
- Use the **Up/Down arrows** (▲/▼) to select the album you want.
- Press the **Play/Pause (► ‖)** button to play the album.

Using the Search function. (See page 39 for more inorfmation.)
- Press the **Search** button on the remote control to enter the Search menu.
- Using the **Up/Down arrows** (▲/▼), select Album or Artist.
- Press the **Right arrow (►)** to enter the selected menu.
- Enter a single letter, word or series of words to identify the album you want to play. If you enter an artist's name, all of the albums and songs by that artist will be listed.
- Press the **Return** key on the keypad. Be patient while the I-Mix searches your music archive for the album and displays a list of possible matches.
- Use the **Up/Down arrows** (▲/▼)to select the album you want.
- Press the **Right arrow (►)** or **Play** button to play the album.

... a specific song that is stored in the I-Mix?
Using the Search mode – starting from the main menu (no music playing):
- Press the **Search** button on the remote control to enter the search menu.
- Press the **Up/Down arrows** (▲/▼) to select the By Song menu.
- Press the **Right arrow (►)** to enter the By Song menu.
- Enter the entire name of the song you want. If you don't know the full name, enter a single
- word in the song title.
- Press the **Return** key on the keypad to display the list of possible matches. Be patient. It may take up to 1 minute to search the entire recorded music collection.
- Press the **Up/Down arrows** (▲/▼) to select a song.
- Press the **Play/Pause (► ‖) or Right arrow (►)** to begin playing.

Using the Album or Artist menu

- Use the **Up/Down arrows** (▲/▼) on the remote control to select HDD (Album) or HDD (Artist)
- Press the **Right arrow (►)** to enter the album menu.
- Press the **Up/Down arrows** (▲/▼) to select the album you want.
- Press the **Right arrow (►)** to display the songlist.
- Press the **Up/Down arrows** (▲/▼) to select the song you want.
- Press the **Right arrow (►)** or **Play/Pause (► II)** to begin playing.

... Change the play mode to repeat a song? Play randomly?

The I-Mix has five play modes: Normal, Repeat one ⤾, Repeat all ⤿, Random Ⓡ and Intro ➡. The appropriate symbol appears at the bottom of the remote control screen to identify which play mode the I-Mix is in. If no symbol appears, the I-Mix is in the normal play mode.

Play Mode	Icon	Function
Normal.		Plays all tracks in order and stops after the last track is finished
Repeat one	⤾	Repeats the same track over.
Repeat All	⤿	Plays all selected tracks then repeats them in the same order.
Random	Ⓡ	Plays all selected tracks in a random order
Intro	➡	Plays the first 20 seconds of all the selected tracks.

Note: "Selected" tracks are all the songs in an album if "album" is selected – all the songs by an artist if "artist" is selected and all the songs in a pl;aylist if "Playlist is selected.

To select a play mode,
- Press the **Mode** button.
- To cycle through the play mode choices, continue to press the **Mode** button. The screen will reset to the prior menu five seconds after the last time the button is pressed.
- Once set, the I-Mix will play all selections using the chosen play mode.
- Play mode resets to normal when the IM-120 is turned off or if AC power is removed.

Organizing my music archive - How Do I...

... Create a temporary playlist?
You must create a temporary playlist to record a selection of tracks from a CD or to transfer music to SmartMedia^{tm} cards or make a new playlist.

To create a temporary playlist:
- Use the **Up/Down arrows** (▲/▼) to select HDD Album or Artist on the main menu.
- Press the **Right arrow (►)** on the remote control to enter the selected menu.
  Note: You can use the **Mark** button (✪), at this point to mark an album or artist. Marking an album selects all the songs on that album for the playlist. Marking an artist's name selects all the songs by that artist for the playlist.
- To select specific songs on an album, press the **Right arrow (►)** to enter the song list menu. Use the **Up/Down arrows** (▲/▼) and the **Mark** button (✪)to select and highlight the songs you want. Press **Mark** a second time to un-mark selections.
- To select music from another album or artist, press the **Main** button to return to the main menu and follow the same marking procedure. You can mark up to 250 songs for a single playlist.
- When you have marked all the songs for the playlist, press the **Program** button to view the list.

... Remove songs from a temporary Playlist?
You can remove a song from a temporary playlist, before saving, by following the steps below:
- Press the **Prog button** to go into the playlist menu and display the playlist listing.
- Use the **Up/Down arrows** (▲/▼) to select the song to be removed from the playlist.
- Press the **Mark** button to unmark the song.
Note: If more than five songs are unmarked, you will be prompted whether or not to clear the entire playlist.
- Press the **"y" of "n"** button accordingly.

... Create a permanent Playlist?
To save the temporary playlist as a permanent playlist:
- Create a temporary playlist as described above.
- Press the **Save** button to save the list. When you press **Save,** the I-Mix will assign the playlist a generic name such as Playlist 0001.
- To re-name the playlist, press the **Return ( )** button on the keypad.
- Use the **Left/Right arrows (◄/►)** to position the cursor and the **Backspace** button to erase unwanted letters. Type in the new name.
- Press the **Save** button to permanently save the playlist in the I-Mix.

... Change the name of a Playlist?

To change the name of an existing playlist,

- Use the **Up/Down arrows (▲/▼)** to select Playlist on the main menu.
- Press the **Right arrow (►)** on the remote to enter the playlist menu.
- Use the **Up/Down arrows (▲/▼)** to select the Playlist name you want to change.
- Press the **Info** button to enter the Info menu.
- Press the **Return** button on the keypad to begin editing the playlist name.
- Use the **Left /Right arrows (◄/►)** to position the cursor and the **Backspace** button to erase unwanted letters.
- Type in the new name.
- Press **Save** to save the playlist permanently in the I-Mix.

... Change the order of songs in a Playlist?

To relocate a single song or multiple songs within an existing playlist

- Use the **Up/Down arrows (▲/▼)** to select Playlist from the Main menu.
- Press the **Right arrow (►)** to enter the Playlist menu.
- Use the **Up/Down arrows (▲/▼)** to select an existing playlist.
- Press the **Right arrow (►)** to enter the song list.
- Use the **Up/Down arrows (▲/▼)** to select the song(s) you want to move.
- Press the **Mark button** to Mark the song(s) you want to move.
- Use the **Up/Down arrows (▲/▼)** to select an insertion point. The marked song(s) will be inserted in front of the song selected as the insertion point.
- Press the **Save button.**
- The RM-12 screen will display two choices: "Insert" and "Append". Use the **Up/Down arrows (▲/▼)** to select the "Insert" option and press the **Right arrow (►)**.
- The marked song will be moved from its original position to the insertion point.

... Insert one or more songs into an existing Playlist?

- Use the **Mark button** to mark songs you would like to add to your playlist.
- Use the **Up/Down arrows (▲/▼)** to select Playlist in the Main menu.
- Press the **Right arrow (►)** to enter the playlist menu
- Use the **Up/Down arrows (▲/▼) to** select a playlist.
- Press the **Right arrow (►)** to view the songs in the playlist.
- Use the **Up/Down arrows (▲/▼)** to select an insertion point. The marked song(s) will be inserted in front of the song selected as the insertion point.
- Press the **Save button.**
- The RM-12 screen will display two choices: "Insert" and "Append". Use the **Up/Down arrows (▲/▼)** to select the "Insert" option and press the **Right arrow (►)**.
- The marked song(s) will be added to the playlist at the insertion point.

Delete one song from an existing Playlist?
- Select a playlist from the playlist menu.
- Press the **Right arrow** to view the songs in the playlist.
- Point the cursor at the song you want to delete.
- Press the **Delete** button.
- Press "Y" to confirm deletion.
- Note: the song will be deleted from the Playlist but not deleted from the hard drive. Songs must be deleted one at a time.

... Create a music genre category?
There is no separate field to classify the type of music you record on the I-Mix, however, one way to create a music category is to make a playlist containing all one kind of music. For example, a playlist entitled "Ragtime" or "Gospel" could serve as an easy way to identify those music genres.

... Change or edit the name of a recorded song?
You can change the name of a song which has already been recorded. For any individual song, the Song Info menu allows you to change the song name, the album title and the artist's name. These changes apply only to that one song. If you change the album or artist names using the song edit menu, the song will be listed under the new artist and album names in the HDD (Album) or HDD (Artist) menus.
- Use the **Up/Down arrows (▲/▼)** to select HDD Album or Artist in the main menu.
- Press the **Right arrow (▶)** to enter either menu.
- Press the **Right arrow (▶)** button to display the songlist in either menu.
- Use the **Up/Down arrows (▲/▼)** to select the song information you want to change.
- Press the **Info** button to enter the Song Info menu. The Song Info menu will appear, listing the song name, the artist name and the album title.
- Press the **Return ( )** button on the keypad.
- Use the **Up/Down arrows (▲/▼)** to select the title you want to change.
- Use the **Left / Right arrows (◀/▶)** to position the cursor and the **Backspace** button to erase unwanted letters as needed. Type in the new name.
- Press **Save** to save the changes permanently in the I-Mix.

... Change or edit the name of a recorded album?
You can edit album titles by following the steps below.
- Use the **Up/Down arrows (▲/▼)** to select HDD Album in the main menu.
- Press the **Right arrow (▶)** to enter the Album menu.
- Use the **Up/Down arrows (▲/▼)** to select the album name you want to change.
- Press the **Info** button to enter the info menu. The Album Info menu will appear, offering the choice to use CD Recognition or Manual Input.
- Use the **Up/Down arrows (▲/▼)** to select Manual Input.
- Press the **Right arrow (▶)** to enter the Info menu.

- Press the **Return ( )** button on the keypad to edit the name.
- Use the **Left/Right arrows (◄/►)** to position the cursor and the **Backspace** button to erase unwanted letters as needed. Type in the new name.
- Press **Save** to save the changes permanently in the I-Mix.

... Change or edit the name of a recorded artist ?

You can edit artist titles by following the steps below.
- Use the **Up/Down arrows (▲/▼)** to select HDD (Artist) in the main menu.
- Press the **Right arrow (►)** to enter the Artist menu.
- Use the **Up/Down arrows (▲/▼)** to select the artist name you want to change.
- Press the **Info** button to enter the Artist Info menu. The Artist Info menu will appear.
- Press the **Return ( )** button on the keypad to edit the name.
- Use the **Left/Right arrows (◄/►)** to position the cursor and the **Backspace** button to erase unwanted letters as needed. Type in the new name.
- Press **Save** to save the changes permanently in the I-Mix.

-

... Erase music from the I-Mix?

To delete songs/albums/artists from the I-Mix archive:
- Use the **Up/Down arrows** to select the item you want to delete.
- Press the **Delete** button. A prompt will appear on the remote control screen asking you to confirm the deletion.
- Press **"y"** to delete. Press **"n"** to return to the previous screen without deleting.

Note: Deleted items cannot be recovered. To delete all of the music in the I-Mix, see the System settings section on page (?).

... Download a single song to a SmartMedia^{tm} card?

Only compressed MP3 files can be downloaded to a SmartMedia^{tm} card. **Note**: The I-Mix *will not* transfer songs directly from a CD onto a SmartMedia^{tm} card.

To download a single song:
- Make sure the SmartMedia^{tm} card is inserted in the appropriate slot in the I-Mix.
- Use any method to select a single song from the hard drive.
- When a song is selected, press the **Record** button (●)to enter the Download SMC menu.
- Choose Download MP3 and press the **Right arrow (►)** to download the song.

... Download more than one song to a SmartMedia^{tm} card?

To download more than one song: you must select either an existing playlist or create a temporary playlist. Make sure the SMC card is inserted in the front slot of the I-Mix.

To select an existing playlist:
- Use the **Up/Down arrow (▲/▼)** to select Playlist in the Main menu.
- Use the **Right arrow (▶)** to select a playlist.
- If you wish to download the entire playlist, press the **Mark (↻)** button. All the songs on the playlist will be marked for downloading.
- To select specific songs from the playlist, press the **Right arrow (▶)** to display the song list.
- Using the **Up/Down arrows (▲/▼)** and the **Mark (↻)** button, select the songs you wish to download.
- Press the **Record (●)** button to enter the SMC Download menu.
- Select Download MP3 and press the **Right arrow (▶)** to download.

To create a temporary playlist:
- Use any method to select the songs/albums/artists you want to download.
- Use the **Mark (↻)** button to select the songs you want.
- Press the **Program** button to display the selected tracks.
- Press the **Record (●)** button to enter the Temp List Record menu.
- Use the **Up/Down arrows (▲/▼)** to select Download SMC.
- Press the **Right arrow (▶)** to download the songs to the SmartMedia^{tm} card.

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Changing the system settings – How Do I...

... Upgrade my system? Replace the hard drive?

The hard drive inside the I-Mix is a proprietary component, configured to meet the specific demands of this technology. It is not interchangeable with other hard drives. Do not attempt to install a hard drive as it could damage the I-Mix and invalidate your warranty. Some software upgrades, such as updating the internal database and obtaining the latest PC Link software revisions are available. To upgrade the I-Mix to a larger hard drive and transfer your music collection, contact Sima customer service. For information regarding these and other upgrades contact Sima customer service at 800-345-7462 or look on our website: www.simacorp.com.
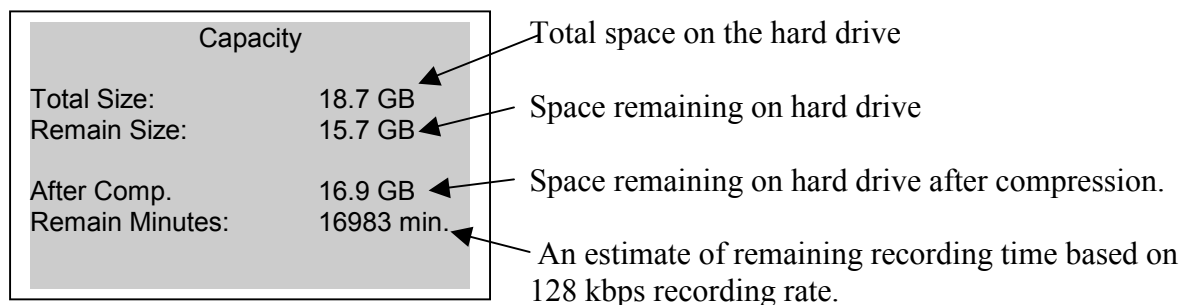
... Disable the voice prompts?

To disable the voice prompts (but not the MP3 song called "Introduction"):
- Use the **Up/Down arrows (▲/▼)** to select System in the main menu.
- Press the **Right arrow (►)** to enter the System Configuration menu.
- Select Voice Prompt from the menu list and press the **Right arrow (►)** button to enter the Voice Prompt menu.
- Select either *Disable All* to disable all of the voice prompts, or *Disable Greeting* to disable only the Greeting message when the Power button is pressed.
- Press the **Right arrow (►)** to disable the item of your choice.
- **Note**: if AC power is disconnected or turned off, the voice prompt setting will be maintained as set by the user.

... Check the capacity and remaining space on the hard drive?

To check the capacity and remaining space on the hard drive:
- Use the **Up/Down arrows (▲/▼)** to select System in the main menu.
- Press the **Right arrow (►)** on the remote control to enter the System Configuration menu. Select Capacity.
- Press the **Right arrow (►)** to enter the Capacity menu.
- The I-Mix will display the total disc size, the remaining disc space, the remaining disc space after compression and the total minutes remaining. Refer to the example below.

Capacity	
Total Size:	18.7 GB
Remain Size:	15.7 GB
After Comp.	16.9 GB
Remain Minutes:	16983 min.

Total space on the hard drive

Space remaining on hard drive

Space remaining on hard drive after compression.

An estimate of remaining recording time based on 128 kbps recording rate.

<u>Using the I-mix with my computer – How Do I...</u>

Transfer MP3 files from my PC

Rename music files

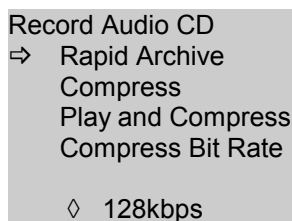**Print song information,**

For detailed instructions on the above, please refer to the PC Link User's Manual included with your unit.

Advanced Features

<u>Recording Modes</u>

    The I-Mix is capable of recording CDs, MP3s, tapes, vinyl albums, radio/TV feeds, and any analog source that plays through your stereo system. The music you record is digitally stored on the I-Mix's hard drive as either an MP3 file or a full CD-quality Pulse Code Modulation (PCM) file. To allow Rapid Archiving, CDs are transferred to the hard drive in an un-compressed PCM format – regardless of the MP3 compression rate. When the IM-120 is turned off, the uncompressed files are converted to MP3 files according to the selected compression rate, and the PCM files are erased.

    There are three recording modes that allow you to choose how quickly your music is recorded and when the files are compressed. **Important note:** Music is saved on the hard drive at whatever compression bit rate is selected at the time it is recorded. Once recorded, the compression rate of a recorded song or album cannot be changed. For more information on file compression, see File Compression on page 33.

```
Record Audio CD
 ⇨   Rapid Archive
     Compress
     Play and Compress
     Compress Bit Rate

     ◊   128kbps
```

1. Rapid Archive

This is the only Record mode accessible from the front control panel. It is also accessible in the Record menu (shown at left) on the remote control. Rapid Archive records a CD into the I-Mix at six times (6X) normal CD play speed. A four-minute song takes about 40 seconds to record using the Rapid Archive record mode.

To use the Rapid Archive mode for recording a CD:
Load a CD in the tray.
Use the **Up/Down arrows (▲/▼),** if necessary, to select CD in the Main menu.
Press the **Record** button (●) on the front panel to begin recording
or
Press the **Record** button (●) on the remote control.
Press the **Up/Down arrows (▲/▼)** if necessary to select Rapid Archive in the record menu.
Press either the **Right arrow (▶)** or **Record (●)** buttons to begin recording.

When the Rapid Archive recording mode is complete, the I-Mix will return to the main menu. When turned off, the I-Mix will enter a "sleep" mode and automatically begin to compress all of the CDs recorded in the Rapid Archive mode. *CDs recorded at full CD quality will not be compressed. (See Set Compression Bit Rate on page 33.)* Compressing a CD takes approximately as long as it would to play the CD. The I-Mix will automatically turn off when the "sleep" compression mode is completed. Rapid Archive only works with CDs inserted in the I-Mix's CD tray, including CD-ROMs which have MP3 files. MP3 files are Rapid Archived at approximately fifty times (50X) normal play speed. You cannot Rapid Archive music from analog sources. You will not hear music playing while recording in the Rapid Archive mode.

Sleep mode flow chart- for songs that need to be compressed

Sleep Mode

The sleep mode is designed to compress Rapid Archived music files, when the unit is not in use. You can stop the file compression process by pressing the "Power" button on the front panel and the I-Mix will return to the stand-by mode. (See chart below.) However, the I-Mix will continue to complete the file compression in the sleep mode the next time you turn the power off.
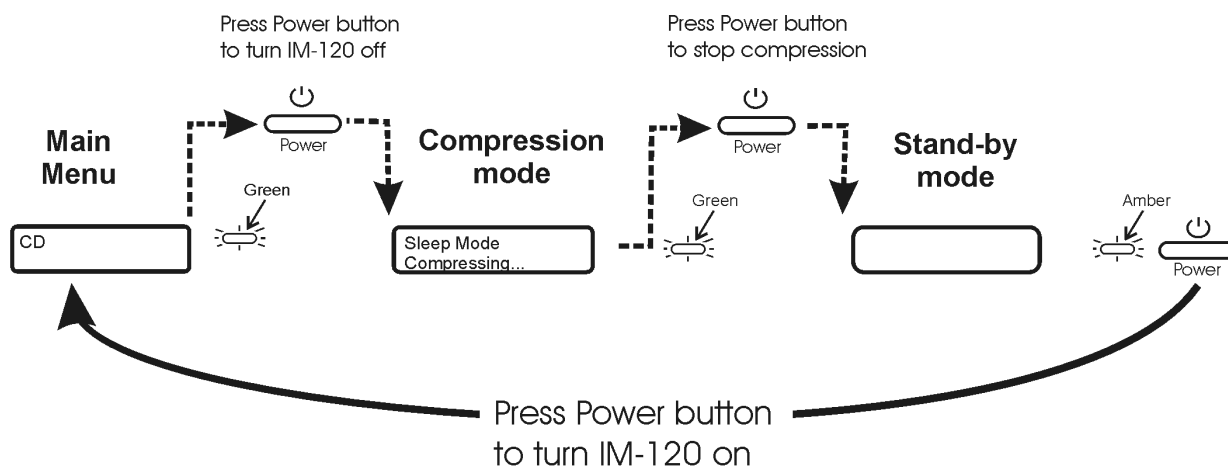
> **Warning: Do not move the unit or turn off AC power while in the "sleep" mode.** If you need to move the unit, press the power button on the front panel to stop the "sleep" mode, then use the AC power switch on the back to turn the unit off. No files will be lost.

To enter the sleep mode after Rapid Archive recording:
Turn off the I-Mix using the **Power** button either on the remote control or the front panel.
The front panel LCD display will go dark and then light up green with the running message:
Sleep Mode Compressing ... Press Power key to abort.
Pressing the **Power** button on the front panel will stop file compression until the next time the unit is turned off.
Note: CDs recorded at full CD quality (1400kbs) will not initiate the "sleep" compression mode.

2. Compress

This mode allows you to record and compress a CD simultaneously or compress any Rapid Archived music files that have not yet been compressed in the "sleep" mode. For example, you may use the Compress mode to transfer a song from an album that has been Rapid Archived, but not compressed yet. You can select a track and compress it using the Compress mode, and then download it to the SmartMedia^{tm} card. File compression takes place at normal CD play speed. This record mode compresses music immediately and will not initiate a sleep compression mode. The Compress recording mode does not change the compression setting for existing MP3 files.

To use the Compress mode for recording a CD:
- Use the **Up/Down arrows (▲/▼)** if necessary to select CD in the Main menu.
- Press the **Record** button **(●)** on the remote control.
- Press the **Down arrow (▼)** to select Compress in the record menu.
- Press either the **Right arrow (►)** or **Record (●)** buttons to begin recording.

3. Play and Compress

In this record mode, you can compress a CD while you listen to it. You can also play and compress music from an analog source (Line In) such as a tape player or radio. The **Play and Compress** mode records and compresses simultaneously at normal CD play speed. This record mode will not initiate the sleep compression feature.

To use the Play and Compress mode for recording a CD:
- Use the **Up/Down arrows (▲/▼),** if necessary, to select CD in the Main menu.
- Press the **Record** button **(●)** on the remote control.
- Press the **Down arrow (▼)** to select Play and Compress in the record menu.
- Press either the **Right arrow (►)** or **Record (●)** buttons to begin recording.

File Compression

File compression is the conversion of full CD-quality digital and analog music into an MP3 file format. Setting the compression bit rate determines the size of the MP3 file stored on the hard drive. The compression bit rate is measured in kilobits per second (kbps).
When recording, you can select one of three compression bit rates on the I-Mix. (See Set compression bit rate below.) In addition, the I-Mix has the capability to play MP3 music that has been previously recorded and will automatically select the bit rates, including 64, 96, 128, 164, 192, 256 and 320kbps. The I-Mix can play MP3s that have been recorded on a computer.

Set Compression Bit Rate

The I-Mix is equipped with three bit rates for recording: 128kbps (MP3s), 320kbps (MP3s), or full CD quality 1400kbps (PCM). Music recorded at full CD quality is not converted to an MP3 file, has the highest sound quality and requires more storage space on the hard drive. Music recorded at the compression bit rates of 320 or 128kbps requires less memory.

Music recorded at full CD quality sounds the best, while recording at 128 kbps may compromise the sound quality of some music, particularly for listeners with a critical ear and/or a high-end audio system. If you are unsure which compression rate to use, here's a simple test you can do. Record the same song three times using a different compression rate each time. Listen carefully as you play the song back. Do you hear any difference? Typically a difference can be heard between music compressed at 128 and 320kbps. You may not hear a difference between music recorded at 320kbps and full CD quality.

Compression bit rate	Length of song	Approx. memory required
128 kbps	5 min.	5 Mb
320 kbps	5 min.	10 Mb
Full CD quality (1400 kbps)	5 min.	55 Mb

To change the compression bit rate in the Record menu:
- Use the **Up/Down arrows** (▲/▼) to select CD or Line In on the main menu.
- Press the **Record** button (●) on the remote control, then press the **Down arrow** (▼) button to select Compress Bit Rate. The setting is shown at the bottom of the display.
- Press the **Right arrow (►)** to cycle through the compression settings.
- Press once to select 320 kbps, press again to select Full CD Quality (1,400 kbps), press again to select 128 kbps.
- To exit without recording, press **Main** or **Left arrow (◄)** to return to the main menu.

To change the compression rate in the System menu:
- Use the **Up/Down arrows** (▲/▼) to select System in the main menu.
- Press the **Right arrow (►)** to enter the System menu.
- Press the **Down arrow** (▼) to select Record Setting.
- You have two choices displayed: CD Recording and Line-In Recording. Select the category of your choice.
- Press the **Right arrow (►)** to cycle through the three compression settings: 128 kbs, 320kbs and Full CD Quality. After selecting the rate you want:
- Press the **Left arrow (◄)** to return to System menu or **Main** button to return to the Main menu.

Copying and Storage

The I-Mix has been designed to comply with the Digital Recording Act of 1992 which regulates the copying and use of digital music files. The I-Mix will record /copy any original audio CD as well as any MP3 file which is not encoded as a copy. Any compressed music stored on the hard drive can be downloaded to a SmartMedia^{tm} card or copied via the unit's analog or optical outputs. Music cannot be copied from the I-Mix to a PC. Some MP3 files may not be accepted by the I-Mix depending on how they were originally recorded or copied.

Find and Play

Using the Search Mode

The **Search** mode is a powerful tool to find specific songs, albums or artists within your I-Mix music collection. Use the **Search** mode to find and play music in your collection. (Use Intelligent CD Recognition to attach names to albums and songs from the database.) You can instruct the I-Mix to search your music collection by artist, album or song. A list of possible matches will be displayed on the remote control screen. The **Search** function is case insensitive, that is, it does not distinguish between upper and lower case letters.

It may help to understand how the search function operates. **Search** looks at the beginning of a word *or* the whole word to match your entry. For example, entering the word "the" will result in matching all titles with "the" anywhere in the title, such as "Somewhere over <u>the</u> Rainbow" or "<u>The</u> Long and Winding Road". It will also match any titles containing words which begin with the letters "t...h...e " such as "<u>The</u>re I Go Again".

You can enter either a letter category, keyword(s) or the exact title as search information. Using correct names and titles will make your search more effective. Remember, the more complete the search information you provide, the faster and more effective the search results will be.

Note: Using the **Down** (▼) arrow will enable you to view the first 99 matches on the remote display. The remaining titles will not be displayed. Change the parameters of your search to narrow the list.

Tip: Typing errors can be corrected by using the **Right** and **Left** arrows to re-position the cursor and the **Backspace** button to erase characters. If you press the backspace more than three consecutive times, all the characters will disappear and the cursor will return to the far side of the screen.

To search for a specific song, album or artist with the I-Mix in the main menu:

```
Search
        Artist
        Album
  ⇨     Song
```

- Press the **Search** button on the remote control keypad.
- Use the **Up/Down arrows** (▲/▼) to select the category (song/album/artist) you want to search.
- Press the **Right arrow (►)** to enter the search menu. The Search screen will appear ready for you to begin typing. In our example, we will search for "Love of My Life" by Carlos Santana.

```
Search Song

□   Love

Press <Main> to Quit
```

- Type in the keyword(s) to find the title of your choice. Use the **Left** /**Right** arrows **(◄/►)** and the **Backspace** button to make changes and corrections, as needed.
- Press the **Return** ( ) button to enter the keyword(s). Be patient while the I-Mix searches for your music. It may take up to one minute to complete a search. The search results will be displayed on the remote control screen.
- Use the **Up/Down arrows** (▲/▼) to select the desired song/album/artist.
- If searching by song, Press the **Right arrow (►)** to begin playing. If searching by artist or album, press the **Right** arrow **(►)** to enter the song list.
- Use the **Up/Down** arrows (▲/▼) to select the song you want.
- Press the **Play/Pause** button (▶ll) or **Right arrow (►)** to play.

```
Search
    As Long As you Lo
    Love Me Do
  ⇨ Love of My Life
```

Note: when playing a single song found using the **Search** mode, the song will stop playing when finished. If you wish to play the entire album, press the **Play** button after selecting the album and do not enter the song list.

Intelligent CD Recognition

The I-Mix's Intelligent CD Recognition feature allows you to access the unit's internal database of album titles and song names to identify the CDs you record. (Intelligent CD Recognition cannot be used to identify analog recordings.) The IM-120 is equipped with an internal database which contains over 280,000 album titles and 3.5 million song names (version 2.02). *The internal database contains only titles, not the music.* Once identified, the CD's album, artist and song names will be automatically be listed in each category. You can identify a CD before or after you record it.

You can identify a CD by using either the first few words in the title of the album or a key word located anywhere in the title of the album.

Tip: Searching by Title will usually produce faster results than searching by Keyword. Searching by Title looks for the first word in the album title. Searching by Keyword looks for the word anywhere in the title, resulting in a greater number of matches.

Tip: Typing errors can be corrected by using the **Right** and **Left** arrows to re-position the cursor and the **Backspace** button to erase characters. If you press the backspace more than three consecutive times, all the characters will disappear and the cursor will return to the far side of the screen.

Naming a CD Before recording

Use the internal database to identify a CD before recording, by following the steps below.

```
      Main Menu
⇨ CD
  HDD (Album)
  HDD (Artist)
  Playlist
  Last 20          ▼
```
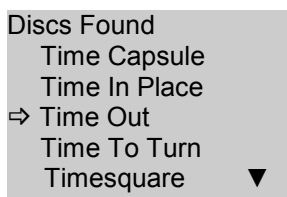
- Press the **Open** button to open the CD tray. Insert a CD into the CD tray. Press the **Open** button again to close the tray.
- Use the **Up/Down arrows** (▲/▼), if necessary, to select CD in the Main menu.

```
CD Recognition
    By Title
⇨   By Keyword
```
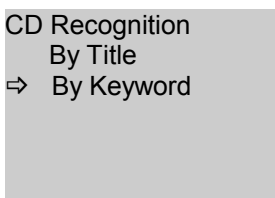
- Press the **INFO button** on the remote control keypad to enter the CD recognition menu. Use the **Up/Down arrows** (▲/▼), if needed, to select either By Title or By Keyword. In this example, we'll use the By Keyword option and the word "time" to identify "Time Out" by the Dave Brubeck Quartet.
- Press the **Right arrow (▶)** button to enter the By Keyword menu.

```
By Title


Time
Hit:  36
Show results? (Y/N)
Press <Main> to Quit
```
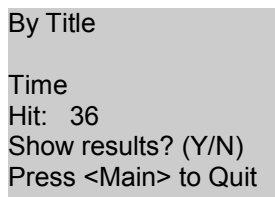
- Type in your entry.
- Press the **Return** button on the keypad.
- When the number of hits (matches) is shown, a prompt will ask if you would like to see the results. Press "y" to see the list of possible matches. Press "n" to re-enter the name.

```
Discs Found
   Time Capsule
   Time In Place
⇨ Time Out
   Time To Turn
   Timesquare      ▼
```

- Use **Up/Down arrows** (▲/▼) to select the correct title.

- Press the **Right arrow (►)** to view the song list. By looking at the song list, you can confirm whether or not it is the correct album information.
- Press the **Save** button to accept the match.

Note: Only cds with the same number of tracks will be found. If the title you want is not displayed on the list, try the steps above again using different title or keyword information. If you are unable to identify a CD using the internal database, connect the I-Mix to your PC and access the CDDB website using the PC Link software included with your I-Mix. (See the PC Link manual for more information.) You can also name it manually.

To identify a CD after recording:
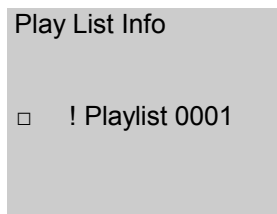- Use the **Up/Down arrows (▲/▼)**, if necessary, to select HDD (Album) in the Main menu.
- Press the **Right arrow (►)** to enter the Album list.
- Use the **Up/Down arrows (▲/▼)** to select the album you want to identify. **Note**: Unless named before recording, albums are assigned generic names such as !Album 0001 and so on. The last recorded album will have the highest number/name. Tracks are identified as Track 01, 02 and so on. Artists are identified as !Artist 0001... etc.
- Press the **INFO** button on the remote control keypad to enter the Album Info menu.
- Use the **Up/Down arrows (▲/▼)** to select CD Recognition.
- Press the **Right arrow (►)** to enter the CD recognition menu.
- Type in your entry. (Typing changes can be made using the **Left/Right arrows (◄/►)** to position the cursor and the **Backspace** button to erase characters.)
- Press the **Return** button on the keypad.
- When the number of hits (matches) is shown, a prompt will ask if you would like to see the results. Press **"y"** to see the matches, press **"n"** to re-enter the album name.
- Press **"y"**.
- Use **Up/Down arrows (▲/▼)** to select the correct title.
- Press the **Right arrow (►)** to view the song list. By looking at the song list, you can confirm whether or not it is the correct album information.
- Press the **Save** button to accept the match.
- If the title is not displayed on the list, try the steps above again using different parameters for your search.

To manually identify a CD
You can also manually enter album, artist and song information. To enter information manually:

```
Album Info

   CD Recognition
⇨  Manual Input
```

- Use the **Up/Down arrows (▲/▼)** to select HDD (Album) in the Main menu.
- Press the **Right arrow (►)** once to enter the Album selection menu.

```
Album Info

   Album 0001_
```

- Use the **Up/Down arrows (▲/▼)** to select the desired album.
- Press the **Info** button to enter the Album Info menu.
- Use the **Up/Down arrows (▲/▼)** to select Manual Input.
- Press the **Right arrow (►)** button to enter the Manual Input menu.
- Press the **Return button ( )** to enter the editing menu. Edit the album name using the remote control keypad.
- **Press the Save button when done.** The display will return to the album selection menu. or
- **Press the Info button to exit without saving**. Follow the same procedure to edit artist names

Naming the album manually does not automatically name all of the songs. Songs will be listed as Track 01, Track 02 and so on. To name the songs manually:

```
Song Info

♪  Track 01
☺  Artist name
◙  Album name
```
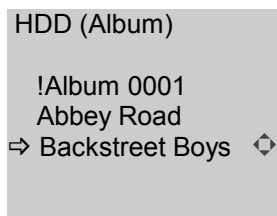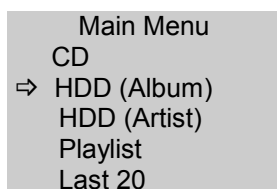
- Use the **Up/Down arrows (▲/▼)**, if necessary, to select HDD (Album) in the Main menu.
- Press the **Right arrow (►)** to enter the Album list.
- Press the **Right arrow (►)** to enter the song list from the Album menu.
- Select a song and press the **INFO** button to display the song info menu.
- Press the **Return** key to edit the song/artist/album title information.
- Use the **Up/Down arrows (▲/▼)** to select the title you want to edit. You can select the song, artist or album name for editing. **Note**: Any changes to the album or artist names will only affect this song. Other songs on this album will not be affected.
- Enter the appropriate information and press the **Save** button to save.

Playlists

You can easily and quickly create custom groups of songs, albums or artists called playlists. Use the playlist feature to make music genre categories such as Jazz, Classical or Country or to compile a collection of music by a single artist. Create your own original category such as "Workout songs" or "Hits from the 70's". This is an ideal feature for weddings, parties or any occasion calling for continuous play music. You can even make master playlists containing entire albums, artists or other playlists. Playlists are structured in the same order that you select music. For example: if you select the last track and then the first track of a given album, the songs will appear in that order on the playlist. The IM-120 can hold up to 200 playlists, each of which can contain up to 250 songs.

To make a playlist:

```
        Main Menu
    CD
 ⇨  HDD (Album)
    HDD (Artist)
    Playlist
    Last 20
```

- Use the **Up/Down arrows (▲/▼)** to select HDD Artist or HDD Album in the Main menu.
- Press the **Right arrow (►)** on the remote control to enter the selected menu.

```
 HDD (Album)

  !Album 0001
  Abbey Road
⇨ Backstreet Boys    ✧
```

- Use the **Up/Down arrows (▲/▼)** to select the artist/album of your choice.
- To select all the songs by an artist or all the songs on an album, press the **Mark** button **(✧)**. All the songs on a given album or by a given artist will be marked for inclusion in the playlist.
- To select specific songs, use the **Right (►)** arrow to enter the song list for an artist or album. Mark songs as needed.

```
 TempList

 We've Got It Going   ✧
 Quit Playing Games   ✧
 As Long As You Lo    ✧
 Everybody            ✧
 All I Have To Give   ✧
```

- The remote control screen will display a message stating that all the songs are marked. (To unmark the songs, press the **Mark** button a second time.)
- Press the **Prog** button to view the play list.

```
 Play List Info


 ☐    ! Playlist 0001
```

- Press the **Save** button to enter the Playlist Info menu.
- Press the **Return** button to edit the name of the playlist.
- Use the **Backspace** button and **Left /Right arrows (◄/►)** to position the cursor. Type in the name for playlist. (Maximum of 60 characters including spaces)
- Press the **Save** button on the keypad to save the playlist and return to the main menu.

Creating a temporary playlist

To record a selection of tracks from a CD or to transfer music to SmartMedia^{tm} cards, you must create a temporary playlist.

To create a temporary playlist:
- Use the **Up/Down arrows** (▲/▼) to select HDD Album or Artist on the main menu.
- Press the **Right arrow (▶)** on the remote control to enter the selected menu.
  Note: You can use the **Mark** button to mark an album or artist. Marking an album selects all the songs on that album for the playlist. Marking an artist's name selects all the albums and songs in the your music archive by that artist.
- To select specific songs on the album, press the **Right arrow (▶)** to enter the song list menu. Use the **Up/Down arrows** (▲/▼) to select songs and press the **Mark** button to add those songs to the list.
- Press the **Mark** button a second time to unmark any marked songs and delete them from the list.
- To select music from another album or artist, press the **Main** button to return to the main menu and follow the same marking procedure. You can mark up to 250 songs for a single playlist.
- When you have marked all the songs for the playlist, press **Prog** to view the list.

Before the temporary playlist is named and saved permanently, you can easily add and delete music. To add or delete songs from a temporary playlist:
- Press the **Prog** button to display the temporary playlist..
- Press the **Up/Down** (▲/▼) buttons to select the song you want to delete.
- Press the **Mark** button to delete the song.
- Holding the **Mark** button will unmark the next song. If more than five songs are unmarked, a prompt will be displayed at to ask whether the entire playlist should be deleted or not. Press "y" or "n" accordingly.
- When you are done editing the playlist, press the **Save** button to save

Editing a playlist.

Using the SmartMedia^{tm} card

MP3 files can be transferred from the I-Mix to SmartMedia^{tm} cards for use in portable MP3 players. Only files that have been compressed can be downloaded. Music recorded at full CD quality cannot be downloaded to SmartMedia^{tm} cards.
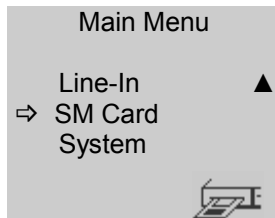
To View information on the SmartMedia^{TM} card

```
     Main Menu
    Line-In          ▲
⇨  SM Card
    System
```
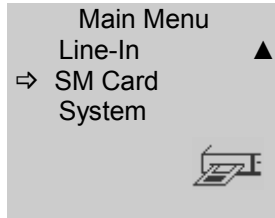
- Insert the SmartMedia^{TM} card into the slot on the front of the IM-120 with gold contacts facing down.
- Use the **Up/Down arrows (▲/▼)** to select SM Card in the Main menu.

```
Browsing Card

Song 01        4M
Song 02        4M
Song 03        4M
```
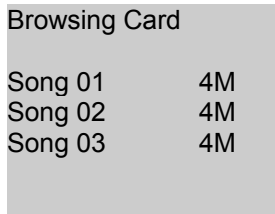
- Press the **Right arrow (►)** to view the list of all songs on the SmartMedia^{TM} card. Non-standard cards will not be read by the I-Mix.
- Note: Information on the SmartMedia card cannot be edited.

Showing the information of the SmartMedia^{TM} card

```
     Main Menu

    Line-In          ▲
⇨  SM Card
    System
```

- With SM card inserted, use the **Up/Down arrows (▲/▼)** to select SM Card in the Main menu.

```
Browsing SMC Info

SMC Size:       32 MB
Used Size:      12.5 MB
Remain Size:  19.5 MB
```
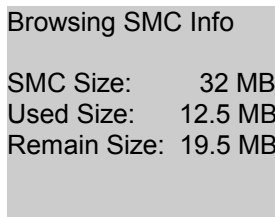
- Press the **Info** button to view information of the SmartMedia^{TM} card. The information includes the card's capacity, the used space and the remaining amount of space on the card.
- Non-standard cards will not be read by the I-Mix.

Formatting the SmartMedia^{TM} card

```
    Main Menu
    Line-In        ▲
 ⇨  SM Card
    System

              ▱▱
```
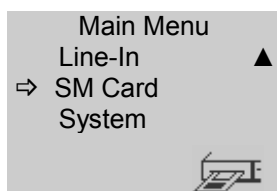
- Insert the SM card into the SM slot on the front of the I-Mix, with gold contacts facing down.
- Use the **Up/Down arrows (▲/▼)** to select SM Card in the Main menu.
- Press the **Delete** button once to format the SmartMedia^{TM} card. A prompt will be displayed to confirm your choice.

```
  Format SMC!!
  Confirm (Y/N)?
```
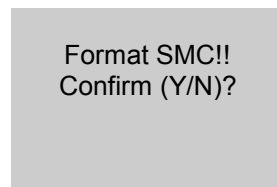
- Press "y" to confirm and complete formatting. Press "n" to abort formatting and return to the main menu.

```
 Format Completed

  Press < key to
    continue
```
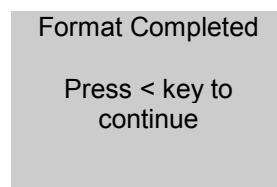
- Note: Information on the SmartMedia card cannot be edited. **Once the card has been formatted the information is permanently erased and cannot be recovered.**

Downloading a single song to a SmartMedia^{tm} card?

Only compressed MP3 files can be downloaded to a SmartMedia^{tm} card. **Note**: The I-Mix *will not* transfer songs directly from a CD onto a SmartMedia^{tm} card, they must be compressed as MP3 files first.

To download a single song:

```
Main Menu
   CD
⇨ HDD  (Album)
   HDD  (Artist)
   Playlist
   Last 20        ▼
```

- Make sure the SmartMedia^{tm} card is inserted in the appropriate slot in the I-Mix.
- Use any method to select a single song from the hard drive.

```
HDD  (Album)
    Funk #49
    Supernatural
    Time Out
⇨ Vivaldi: The Four
                   ▼
```

- For example: select an album from the album list. Press the **Right arrow (▶)** to enter the song list.

```
HDD  (Album)

⇨ I Allegro
   Ii Largo
   Iii Presto      ▼
```

- Select a song and press the **Record** button (●) to enter the Download SMC menu.

SMC Download

⇨ Download MP3

- Press the **Right arrow (▶)** to download the song. A message will be displayed saying the IM-120 is "Now recording". When complete, the RM-12 will return to the song list menu.

Downloading more than one song to a SmartMedia^{tm} card?

To download more than one song: you must select either an existing playlist or create a temporary playlist. Make sure the SMC card is inserted in the slot at the front of the I-Mix.

To select an existing playlist:
- Use the **Up/Down arrow (▲/▼)** to select Playlist in the Main menu.
- Use the **Right arrow (▶)** to select a playlist.
- If you wish to download the entire playlist, press the **Mark (↻)** button. All the songs on the playlist will be marked for downloading.
- To select specific songs from the playlist, press the **Right arrow (▶)** to display the song list.
- Using the **Up/Down arrows (▲/▼)** and the **Mark (↻)** button, select the songs you wish to download.
- Press the **Record (●)** button to enter the SMC Download menu.
- Select Download MP3 and press the **Right arrow (▶)** to download.

To create a temporary playlist:
- Use the **Mark (↻)** button to select the songs/albums/artists you want to download.
- Press the **Program** button to display the selected tracks.
- Press the **Record (●)** button to enter the Temp List Record menu.
- Use the **Up/Down arrows (▲/▼)** to select Download SMC.
- Press the **Right arrow (▶)** to download the songs to the SmartMedia^{tm} card.

Using the Remote Control   (RM –12)

The RM-12 remote control is a unique infra-red, two-way remote through which many of the advanced features of the I-Mix are operated. The RM-12 has a three-step power button which allows the unit to save power when not in use. Because the remote sends and receives information, it is important to aim it at the unit while performing all commands. **Note:** If the signal is not successfully transmitted, the remote will display an "IR Retry" message. Aim the remote at the unit and the signal will be sent again. The RM –12 is effective from up to 30 feet from the I-Mix unit and it uses four (4) AA alkaline batteries.

Quick Access Mode
Play back controls
only
Press <power> again
to enter
Full function mode

- To turn the I-Mix on, press the **Power** button twice.
- If the remote is not used for about 5 minutes, it will go into an energy-saving mode and the display screen will go blank.
- Press the **Power** button once to wake the RM-12. It will enter a quick function mode (shown at left), in which only the basic functions of the IM-120 are available.
- Press the power button a second time to restore the RM-12 to its normal function mode. The RM-12 will restore to the active screen.
- Press the **Power** button a third time to turn off the I-Mix.

Entering
Normal Function Mode
Please wait

Processing...

Take a moment to review the chart below, which illustrates the functions of the power button.
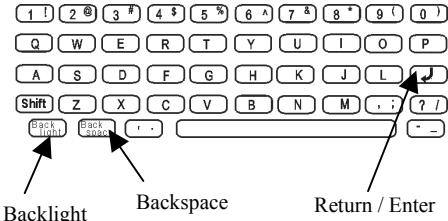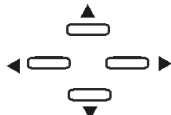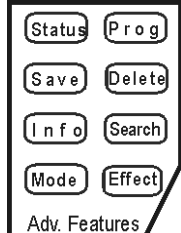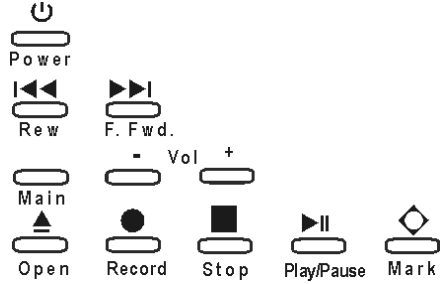
Using the three-step power button

RM-12 status	IM-120 status	RM-12 POWER Button	Result
Off	Off	Press POWER once	RM-12 will turn on and enter quick function mode.
Off	Off	Press POWER twice	IM-120 and RM-12 will turn on.
Off	On	Press POWER once	IM-120 will stay on and RM-12 will enter quick function mode.
Off	On	Press POWER twice	IM-120 will stay on and RM-12 will enter full function mode and return to last active menu.
Off	On	Press POWER three times	IM-120 and RM-12 will both turn off.
On	On	Press POWER once	IM-120 and RM-12 will both turn off.

Control and program buttons

The RM-12 is equipped with four sets of control buttons:

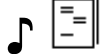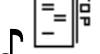| Button Layout on RM-12	Button Functions
 Backlight Backspace Return / Enter	**Alphanumeric keypad** – Use these keys to enter song/album/artist information. Contains Shift button for upper and lower case as well as backspace and backlight keys in the lower left hand corner. **Tip**: Press the shift key once to type upper case and press again to type lower case.
	Arrows – Use these keys to navigate through various menus. The **Right** arrow will be pressed numerous times to progress through menu selections. The **Left** arrow exits menus. The **Right** arrow also initiates the Play and Record functions.
 Adv. Features	**Advanced feature buttons** – Use these keys to enter various programming menus including: **Status** – Displays current operating status of the I-Mix. **Prog** – To create a playlist of songs/albums/artist **Save** – Saves changes made. **Delete** – Deletes music permanently from hard drive. **Info** – Use to search internal database for CD identification and to edit song/artist/album information. **Search** – Searches music archive for songs/albums/artists **Mode** – Sets or changes play mode. **Effect** – Sets or changes tone settings.
	Deck controls – These buttons control the basic CD functions on the deck as follows: **Power** – Turns I-Mix on and off - also "wakes up" remote from power saving mode. **Rew** and **F.Fwd** – Skip tracks or scan through songs **Main** – Returns to main menu from any other menu. **Vol – and +** - Raises and lowers playback volume **Open** – Opens and closes CD tray **Record** – Enters Record menu or to begins recording. **Stop** – Use to stop play and record functions

	Play/Pause – Play and pause songs.
	Mark - Use to select songs/albums/artists for playlists.

Display screen symbols

The remote control screen will display a variety of icons to provide visual keys about various modes and operations. The following chart shows the icons that appear on the remote control display screen.

Main Menu Icon	CD	HDD Album	HDD Artist	Playlist	Last 20	Top 20	Line In	SM Card	System

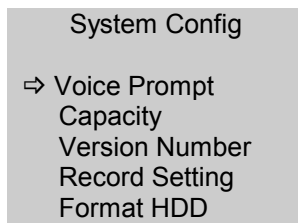| Search Menu	By Artist	By Album	By song	
Other Icons	Album/Artist folder	Edit title info		

System Settings

The system menu of the IM-120 provides information about the size and amount of space remaining on the hard drive, the software and processor version numbers, compression rates for recording, activating voice messages and prompts and formatting the hard drive.

<u>Voice Prompt/Messages</u>

The IM-120 has built-in voice prompts. These messages include a greeting, announcements for the beginning and end of rapid archiving sessions, a warning that your I-Mix hard drive is full, and other similar functional notices. The voice prompts work all of the time unless you turn them off. To disable the voice prompts, follow the steps below.
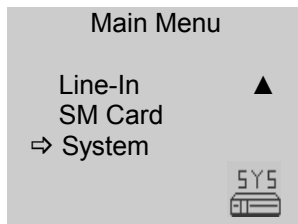
```
     Main Menu


  Line-In        ▲
  SM Card
⇨ System
                5Y5
                ▭
```

- Use the **Up/Down** arrows to select System from the main menu.

```
    System Config

⇨ Voice Prompt
   Capacity
   Version Number
   Record Setting
   Format HDD
```

- Press the **Right arrow (►)** to enter the System Configuration menu
- Use the **Down arrow** to select Voice Prompt in the main menu.
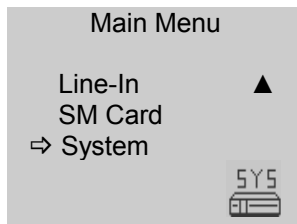- Press the **Right arrow (►)** to enter the Voice Prompt menu.

You can disable all of the voice prompts or just the greeting message. **Note:** Disabling them in this menu does not delete the Introduction MP3 file from the hard drive.
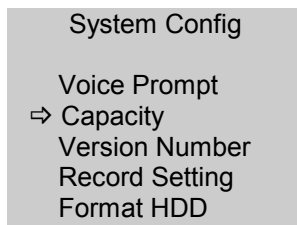
```
  Voice Prompt Menu

⇨  Disable all
   Disable greeting
   Enable all
```
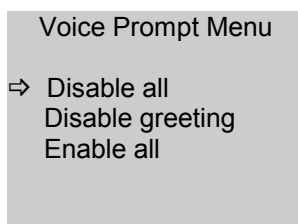
- Press the **Down arrow** to select disable all.
- Press the **Right arrow (►)** to disable the voice prompts.
- To disable only the greeting message, use the **Down arrow** to select Disable greeting.
- Press the **Right arrow (►)** to disable the greeting message.
- To restore the voice messages, use the **Up/Down arrows** to select Enable all.
- Press the **Right arrow (►)** to restore all of the voice messages.
- Press the **Main** button to exit and return to the main menu.
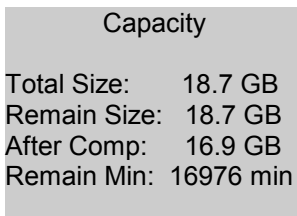
Checking the Hard Drive Capacity

To check the capacity of the hard drive, including the remaining space and an estimate of remaining time follow the instructions below.

```
        Main Menu

     Line-In        ▲
     SM Card
   ⇨ System
                    5Y5
                    ▭
```

- Use the **Up/Down arrows** to select System from the Main menu.
- Press the **Right arrow (▶)** to enter the System Configuration menu.

```
       System Config

     Voice Prompt
   ⇨ Capacity
     Version Number
     Record Setting
     Format HDD
```

- Press the **Down arrow** to select Capacity

```
         Capacity

   Total Size:    18.7 GB
   Remain Size:   18.7 GB
   After Comp:    16.9 GB
   Remain Min:  16976 min
```

- Press the **Right arrow (▶)** to view the total capacity of the hard drive and the remaining space.

- Press the **Main** button to exit and return to the main menu.

Checking the version numbers

To check the version numbers of various hardware and software components of the IM-120 follow the instructions below.

```
        Main Menu

     Line-In        ▲
     SM Card
   ⇨ System
                    5Y5
                    ▭
```

- Use the **Up/Down arrows** to select System from the Main menu.
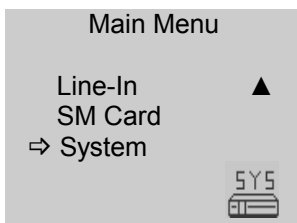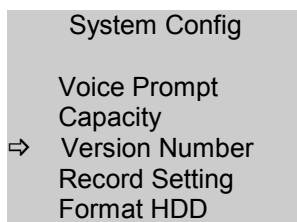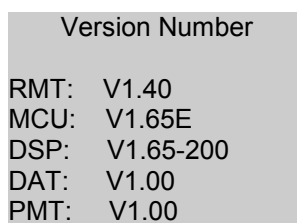- Press the **Right arrow (▶)** to enter the System Configuration menu.

```
       System Config

     Voice Prompt
     Capacity
   ⇨  Version Number
     Record Setting
     Format HDD
```

- Press the **Down arrow** to select Version Number

```
       Version Number

   RMT:   V1.40
   MCU:   V1.65E
   DSP:   V1.65-200
   DAT:   V1.00
   PMT:   V1.00
```

- Press the **Right arrow** to view the version numbers of the
- Press the **Main** button to exit and return to the main menu.

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Setting the Recording Compression Rate

You can set the compression rate for recording CDs and line-in feeds to the IM-120 by following the instructions below.

```
      Main Menu

  Line-In          ▲
  SM Card
⇨ System
                  5Y5
                  ▭
```

- Use the **Up/Down arrows** to select System from the Main menu.
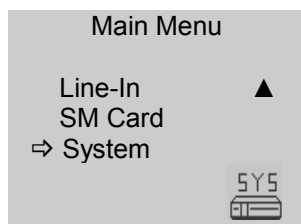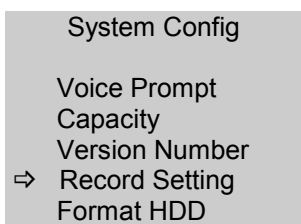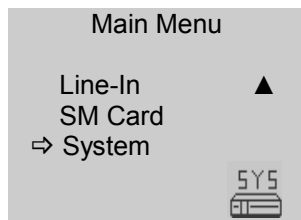- Press the **Right arrow (▶)** to enter the System Configuration menu.

```
     System Config

  Voice Prompt
  Capacity
  Version Number
⇨  Record Setting
  Format HDD
```

- Press the **Down arrow** to select Record Setting

```
   Compress Bit Rate

⇨ CD Recording
      128 kbps

Line-in Recording
      CD Quality
```
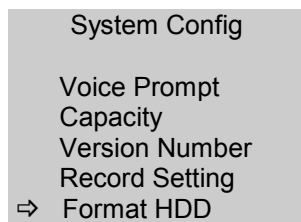
- Press the **Up/Down arrows** to select either CD Recording or Line-in Recording.

- Press the **Right arrow (▶)** to toggle between the three settings - 128 kbps, 320 kbps and CD quality - for each category.

- Press the **Main** button to exit and return to the main menu.

Re-formatting the Hard Drive

Important Warning: If you re-format the hard drive, all your recorded music will be erased. Once erased, it cannot be recovered.

```
      Main Menu

  Line-In          ▲
  SM Card
⇨ System
                  5Y5
                  ▭
```

- Use the **Up/Down arrows** to select System in the Main menu.

```
     System Config

  Voice Prompt
  Capacity
  Version Number
  Record Setting
⇨  Format HDD
```

- Press the **Right arrow (▶)** to enter the System configuration menu.

- Use the **Down arrow** to select Format HDD

<table>
<tr><td>Format HDD
Confirm (Y/N) ?</td><td>

- Press the **Right arrow (►)** to enter the format menu. A prompt will be displayed asking you to confirm the decision to re-format.
- Press **"n"** to abort and return to the system configuration menu. **Press "Y" to proceed.**
</td></tr>
<tr><td>All the songs will be permanently removed Confirm (Y/N)?</td><td>

- As a precaution, another prompt will ask you to confirm the decision to re-format.
- Press "n" to abort and return to the system configuration menu.
- Press "y" to re-format the hard drive.
</td></tr>
</table>

Troubleshooting

The following chart is designed to as a guide to a variety of possible problems that might arise while using the I-Mix, their causes and potential solutions. If you are not able to resolve these or other problems, **please call Sima customer support at 1-800-345-7462.**

Problem	Possible Causes	Suggestions
I-Mix will not turn on using front panel power button.	• Unit is not plugged in. • AC power switch on back of unit is not turned on.	• Check power connections and AC power switch. • Data link cable should be disconnected from the I-Mix player.
IM-120 will not turn on using the remote control	• Batteries in remote are dead. • IR windows on remote control and front panel are dirty. • Remote is not aimed at unit.	• Replace batteries in remote. • Clean IR windows with a soft cloth. • Aim remote at unit when powering up.
I-Mix plays, but no sound comes through speakers.	• Audio connections may be incorrect. • Volume setting on unit may be set to 0.	• Make sure audio connections are correct. Refer to connections chart on page 13. • Use volume buttons on front panel or remote to raise volume level.
I-Mix plays, but no sound comes through headphones	• Volume may be set to 0.	• Use volume buttons on front panel or remote to raise volume level.
When I press the power button, the front panel displays a series of bars across top and will not power up.	• Interruption of the power supply can cause the I-Mix to lock up.	• Using AC power switch on back of unit, turn power off - wait a few seconds - then turn it back on.
I-Mix does not play introduction message.	• Voice prompt message has been disabled.	• Restore voice prompt by selecting **Enable All** in the Voice prompt folder in the System menu. See System settings on page 54 for instructions.

Will not play a CD	• CD may be damaged	• Open tray and make sure CD is inserted properly. If not an original music CD, make sure CD has MP3 or PCM music files.
I-Mix will not archive or compress songs from a CD.	• The I-Mix may be full. • CD may not have appropriate music files.	• Check the capacity by opening the **Capacity** folder in the System menu Delete songs as needed. To delete music from the I-Mix see page 34 . • Make sure your CD has MP3 or PCM music files.
Remote control does not work – screen is blank.	• No batteries in the remote. • Batteries have expired	• Insert new batteries.
I-Mix does not respond to remote control – displays "IR Retry" message.	• Remote is not aimed at I-Mix for entire command sequence. • IR window on remote or I-Mix unit may be dirty.	• Aim remote at unit until all commands are executed. • Clean IR window on remote and I-Mix unit with a soft cloth.
Cannot download music to SmartMedia^{tm} card.	• Music is not in compressed MP3 format. • SmartMedia^{tm} card may be corrupted.	• You must make a temporary playlist of songs to download music to SmartMedia^{tm} cards. • Try downloading other compressed music from the I-Mix to the same card. If unable to download successfully, card may be damaged.
CD tray will not open. Cannot remove CD.	Disc may be damaged.	Switch off the I-Mix by pressing the main power switch on the back panel. Wait a few moments, then turn it back on. Press and hold the Open button to eject the CD.