Likko LKM012 MP3/CD Portable Player

User's Guide

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CHAPTER 1
Getting Started

The world is being changed by MP3 music. The MP3/CD Portable Player saves your summer!

The Likko MP3/CD Player plays MP3, CD Audio, CD, CD-R. It supports long file names,

directories, and 10 solid hours of CD Quality music!

IN THIS CHAPTER...

■ Safety Instructions on page 3.

■ Parts Introduction on page 4.

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Safety Instructions

STORAGE:

● Never use or store the player in the cold, hot, humid or dusty places.
● Do not leave the cover open if the player is not being used for a long time.
● Exposure to direct sunlight or extreme heat (such as inside a parked car for more than 2 hours) may cause damage or malfunction.

USAGE:

● Never attempt to play cracked or warped discs in the player as they may jam and damage the player.
● Avoid using the headphones/earphones at a high volume.

ROAD SAFETY:

● Do not use earphones while driving, cycling, or operating any motorized vehicle.

CARRYING:

● Please use the soft bag that comes with the player to protect it against scratches.

POWER SOURCE:

● Only charge the batteries for their respected recharge time. Charging longer can cause battery leaks, or an overload on the recharge circuit.
● Remove dry batteries (not chargeable) from battery case when using AC power supply.

Parts Introduction

1. Battery case (on the back of the player):

Holds two AA batteries.

2. External 5V power socket:

For connecting the supplied AC power adapter.

3. Open button:

Press to open the disc cover.
Note: Do not open the cover while playing, or the player will be turned off automatically.

4. Disc cover

5. Headphone jack:

For connecting a set of headphones.

6. MIC jack:

For connecting a microphone (when using the REC option.)

7. Volume control:

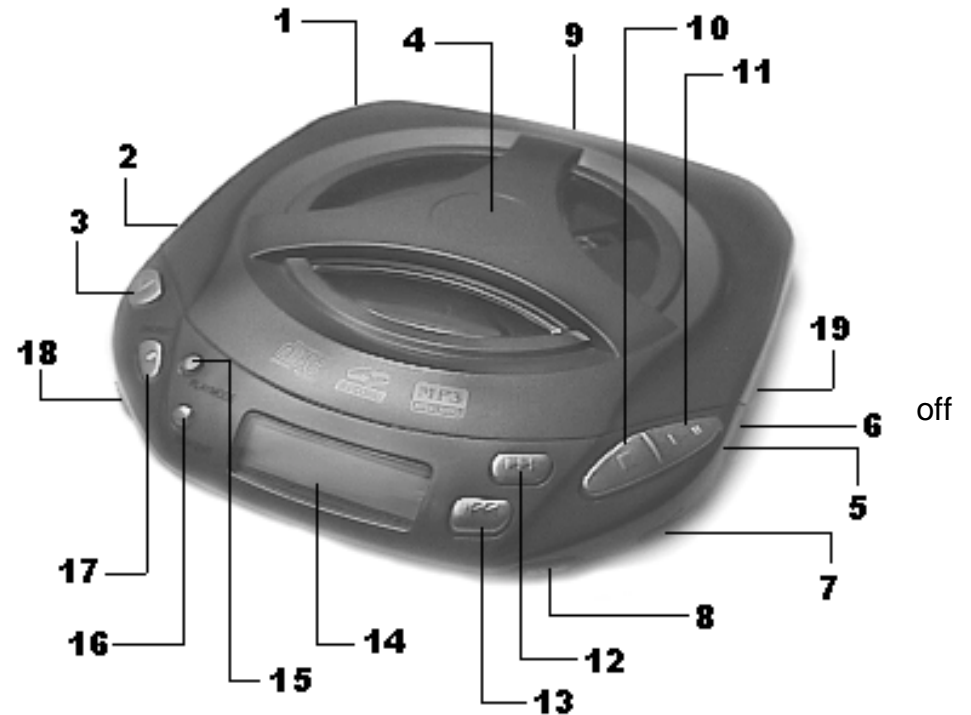Use to adjust the volume of earphone. Does not effect the LINE OUT.

8. SOUND button:

Used to change sound settings:
Setting 1: Normal
Setting 2: Super bass
Setting 3: Bass

Setting 4: Treble

Setting 5: Super Treble

9. **Line out:**

Line output for connection to an amplifier.

10. **Stop button:**

Press to stop playback of a track. When in DIR mode, press to return to the last level directory.

11. **Play/Pause button:**

Press to turn on power and begin to play when the power is turned off. Press to pause while playing, and to continue playing when paused.
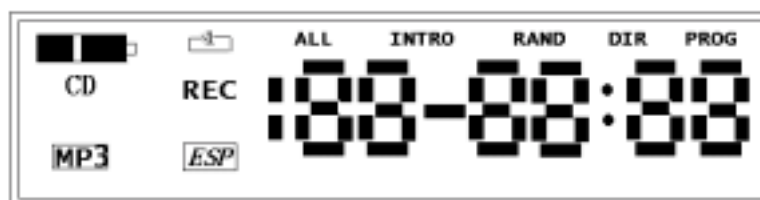
12. **Fast forward:**

Press once to skip to the next track. Press and hold to fast forward through the current track.

13. **Rewind:**

Press once to return to the beginning of the track, and twice to play the previous track. Hold down to rewind the current track.

14. **LCD display panel:**

Use to display working status.

15. PLAY MODE button:

Sets the playback mode (refer to Chapter 2 for detailed information.)

16. REP/ENT button:

Set repeat playback of CD and MP3 discs. Also used as enter in programming status.

17. DIR/REC:

Use to toggle between DIR and FILE mode when playing MP3 discs. In recording status, use to record.

18. RESU/NOR/HOLD (Left/Center/Right):

NOR : Play from the beginning.
RESU: Play from where you stopped the last time.
HOLD: Use to lock the buttons from accidental presses.

19. PLAYER/RECORDER switch:

Switches between player and recorder modes.

Power Sources

Using the AC Power Adapter:

First turn off the player, then plug the AC power adapter into the wall. Connect the output jack of the adapter to external power jack of the player. Note: Only use the supplied AC power adapter.

Using Batteries:

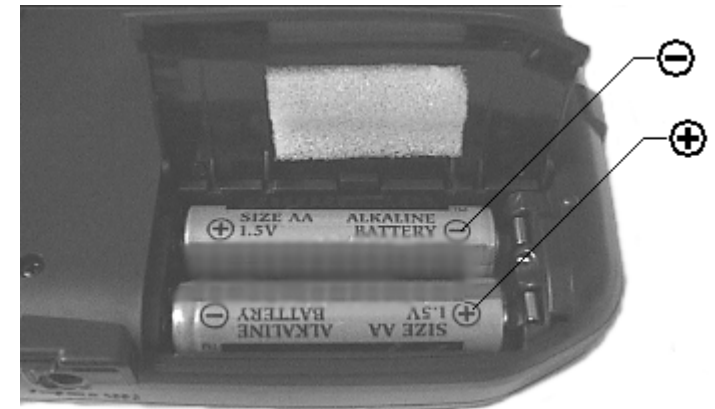Insert two 1.5V AA batteries into the battery case (refer to figure).
Note: Your player will be damaged if you try to charge non-rechargeable batteries.
Take batteries out when the external power is being used.
Remove batteries if the player is not going to be used for a long time.
Do not mix new batteries with old ones.
Do not use Mn-Zn batteries.

Using Rechargeable Batteries:

New batteries need be charged before use. When the batteries are weak. The player will beep to
remind you to charge the batteries.

Steps for Recharging the Batteries:

1. Turn off the player if it is playing.
2. Insert the batteries and plug in the AC power adapter .
3. Switch RESU/NOR/HOLD to HOLD, and press the PLAY button. Power indicator in the LCD should flash and CHG will display in the LCD. The Power indicator will stop flashing when the batteries are full, and the player will automatically turn off.

Note:

* Charging time of an 850mAH NI-CD battery is about 5-6 hours. Only charge the batteries for their respected recharge time. Charging longer can cause battery leaks, or an overload on the recharge circuit. This will damage the player!!
* Always keep alkaline battery (not chargeable) away from the battery case when using AC power supply.

- If the batteries can only be used for short time after charging, they can no longer hold a charge. Please replace the battery.
- Charging time depends on the volume of the battery. The larger the battery volume is, the longer the time it will take to charge.
- If the battery is new, it may not be charged completely until you recharge it several times.
- To extend the life of the battery, recharge only when the battery is completely discharged.

CHAPTER 2
Using Your Player

This chapter is your guide on how to use all of the features that make up your Likko

MP3/CD Player. Learn how to enjoy and manage over 10 hours of CD quality music!

IN THIS CHAPTER...

■ Playing MP3 and Normal CDs on page 10.

■ Play Modes on page 11.

■ Using the Program and Repeat Modes on page 12

■ Using Directories on page 13

■ Using the DIR PROGRAM mode on page 13

■ Using the Record Feature on page 14.

Playing MP3 and Normal CDs

Starting Playback:

Press PLAY >|| to begin playback of a track.

Stopping Playback:

Hold ■ until STOP displays in the screen.

Fast Forward:

Hold down >>| to fast forward through a track.

Rewind:

Hold down |<< to rewind through a track.

Next Track:

Press >>| once.

Previous Track:

Press |<< twice.

Note: If you want to skip several tracks, first press or once and hold it until the track you want is displayed in the LCD.
● The player supports the sampling frequency of 32KHz, 44.1KHz and 48KHz. It can play files up to 224 Kbit/s.
● The player supports a maximum of 256 directories.
● The player supports a maximum of 512 tracks.

Note: While playing MP3 CDs, the player will rearrange the tracks to reduce the movement of the lens.

All of the play modes for CDs can be used for MP3 CDs.

Play Modes

Using the **PLAY MODE** button, you can select various modes of playback.

Continuous Playback:

1. Switch **RESU/NOR/HOLD** to **NOR** or **RESU**.
2. Switch **PLAYER/RECORDER** to **PLAYER**.
3. Press the **PLAY** button.
Note: When playing a scratched or dirty disc, press the **DIR/REC** button once to turn on **ESP**.

One Track Playback:

To activate one track playback, press the **PLAY MODE** button until "1" displays in the screen. After playing the track, "**STOP**" will display in the screen and the player will turn off automatically.

Intro Playback:

To activate intro playback, press the **PLAY MODE** button twice until "**INTRO**" displays in the screen. The player will play the first 10 seconds of each track. After playing, "**STOP**" will display in the screen and the player will turn off automatically.

Random Playback:

To activate random playback mode, press the **PLAY MODE** button three times until "**RAND**" displays in the screen. The player will play all the tracks in a random order. After playing, "**STOP**" will display in the screen and the player will turn off automatically.

Program Playback:

To activate program playback mode, press the **PLAY MODE** button until "**PROG**" displays in the screen.

Using the Program and Repeat Modes

You can use the program mode to create a sequence of songs in a custom order.

1. Press >>| or |<< to select the track number to program.
2. Press **REP/ENT** once to add the track to the sequence.
3. If you want to delete the last track you programmed, press |<< until the sequence number decreases by one.
4. Press **PLAY MODE** to exit from Program mode.
5. After programming, press PLAY >|| to play.

You can use the repeat mode to play a track, program, or CD until you stop the player.

Repeating a track:

1. Press **PLAY MODE** until "1" displays in the screen.
2. Press **REP/ENT** once and the LCD displays: ▶1
3. Press **REP/ENT** once again to cancel repeating. After playing the track, **STOP** will display in the screen and the player will turn off automatically.

Repeating a disc:

1. Press **PLAY MODE** until "1" displays in the screen.
2. Press **REP/ENT** twice and the LCD displays: ▶
3. Press **REP/ENT** once again to cancel repeating. After playing the track, **STOP** will display in the screen and the player will turn off automatically.

Repeating a Program:

1. Press **REP/ENT** to enter into Program Repeat mode during Program Playback. The player will play the programmed track until turned off.
2. Press **REP/ENT** once again to cancel repeating. After playing the track, **STOP** will display in the screen and the player will turn off automatically.

Using Directories

When dealing with the capability for hours of music, obviously you are going to want some form of organization. The Likko MP3/CD Player supports multiple directories for organizing the tracks on your CD.

Tracks are arranged in alphabetical order by directory. For example, the tracks in a directory labeled "Beatles" will play before the tracks in a directory labeled "Pink Floyd." The tracks in directories are also played in alphabetical order. A track by the name of Blackbird.mp3 would play before Yellow Submarine.mp3.

One-level Directories:

1. During normal playback, press **DIR/REC** to enter **DIR** mode.
3. Press one time. The **DIR No.** should be flashing.
4. Using >>| and |<<, select the directory you want and press PLAY >|| one time. It will automatically start playing the first track.

Multi-level Directories:

1. During normal playback, **DIR/REC** to enter **DIR** mode.
3. Press one time. The **DIR No.** should be flashing.
4. Using >>| and |<<, select the next level directory you want.

5. If you want to go to the previous directory, press STOP ■ one time.

Note: After selecting the directory, if there are no MP3 files in it, operation will be cancel in 3 seconds and return to the last operation status.

Track Selection in DIR playback status:

1. Press >>| once. The file number should be flashing.
2. Press >>| or |<< to select the track. If you want to select tracks faster, hold down >>| or |<< until the track you want is displayed in the LCD.

Using the DIR Program Mode

You can use the **DIR Program** mode to easily add all of the tracks in a specified directory to a sequence.

1. Press the **PLAY MODE** button until **DIR PROG** displays in the screen and the **DIR No.** is flashing.
2. Using >>| or |<<, select the directory you want to add.
3. Press **REP/ENT** to add all of the tracks in the directory to the program.
4. Repeat these steps to add up to 128 tracks.

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Using the Record Feature

Your Likko MP3/CD Player can record up to 500 seconds of digital audio for playback.

1. Open the disc cover and take out the disc.
2. Plug a microphone into the **MIC IN** jack.
3. Switch **PLAYER/RECORDER** to **RECORDER**.

Recording:

1. Press PLAY >|| to turn on the power.
2. Press the **DIR/REC** button to start recording and to pause.
3. Press STOP ■ once after recording to exit.
4. Press PLAY >|| to play the recorded content after recording.

Note: The maximum recording time of the player is 500 seconds. Hold down the **SOUND** button for 2 seconds to record in a higher quality but the maximum recording time will be shorted to 250 seconds. After turning off the power, the recorded content is erased. If you record a second time, the content recorded the first time will be erased.

CHAPTER 3

Reference

In this section you will find information on technical support, troubleshooting,

specifications, accessories and ways to contact the company regarding the Likko MP3/CD Player.

IN THIS CHAPTER...

■ Troubleshooting tips on page 3.

■ Specifications and Accessories on page 4.

■ Contact Information on page 8.

Troubleshooting and Tips

The player can't read the disc or NO DISC displays in the LCD:

- The disc is scratched or dirty. Try a better quality disc.
- Water condensation has occurred in the lens. Place the player indoors for several hours.
- Check if the disc is loaded upside down.

There is no sound coming from the earphone:

- The earphone cord may be broken.
- The earphone jack may be dirty.
- Check the volume setting.

When you press a button, HOLD displays in the LCD:

- Switch **RESU/NOR/HOLD** to **NOR** or **RESU**.

After reading the disc, "00-00:00" flashes and "NO FILE" displays in the LCD.

- There are no files in the MP3 DISC. Please change the disc or press PLAY >|| to try again.
- The disc is scratched or dirty. Please change the disc or press PLAY >|| to try again.

Batteries can only be used for very short time.

- Zn-Mn batteries are being used. Replace them with alkaline batteries or rechargeable batteries.
- The batteries' life is expired. Replace the batteries.

The time display moves erratically when playing MP3 CDs:

- You may be playing VBR (Variable Bitrate) MP3s.

Specifications and Accessories

Laser Wave Length	780nm
Output Power of Earphone	10mW+10mW (Load 16Ω)
Output Level of Line	0.5V±
Audio	D/A 1 Bit
Signal-to-noise ratio	>85dB (LINE)
Distortion	<0.05% (LINE)
Operation Temperature	+5℃ ~ +35℃
Frequency Response	20 ~ 20000Hz (±2dB)
Dimension (Approx)	145mm x 130mm x28mm
Weight	About 250g (not including batteries)
Power Source	DC5V (Use AC power adapter MDC 505 A) DC3V (Use two AA alkaline batteries) DC2.4V (Use two supplied NI-MH rechargeable batteries.)

***Note:** Standards are subjected to change without prior notice.*

Accessories:

- One (1) Set of Earphones.
- One (1) AC Power Adapter.
- Two (2) AA Rechargeable Batteries.
- One (1) Soft Bag.
- One (1) Line Out Cord.

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