

Lemon KTV

Android Phone



iPhone



HDMI
1080P

MANUAL OF USER

Professional Entertainment Center

HARD DRIVE DIGITAL JUKEBOX



KTV/TVBOX/ANDROID Single-screen HD Karaoke Machine

Thank you for purchasing the KARAOKE production, For optimum operation and security.
Please read the user's manual completely, Keep it for future reference.

TABLE OF CONTENTS

A. Product Feature-----	01
B. Accessories List -----	02
C. Input & Output Port Features -----	03
D. Installation of Karaoke System -----	04
E. Operation of Karaoke Player -----	05
1. Function of Remote Control -----	05
2. Operation of Karaoke System -----	06
F. Technical Specifications for Karaoke System -----	09
1. Basic Principles of HDD Karaoke Player-----	09
2. Description of File System -----	09
3. Format of Song File -----	10
4. Rule of Electron Songlist.txt -----	10
5. Customize the UI Menu by User -----	11
G. KTV Setup (Password: 3308) -----	14
1. General Setup -----	14
2. Switch between Multilingual UI Menu -----	15
3. KTV Network Setup -----	15
4. INSERT-COIN Setup -----	16
5. Password Setup -----	16
H. How to Add Songs -----	17
I. Additional Functions -----	18
1. Random Auto-play Function -----	18
2. The Way to Connect External IR Remote Control Receiver Module -----	18
3. How to Print Songbook -----	18
4. Encryption Function -----	18
5. Display "Speech of Welcome",-----	19
J. Install and Operate Wireless Air KTV Client Application in iPhone/ Android Mobile Phone-----	19
K. Android Box Application -----	21
1. Function Description -----	21
2. Android System Setup -----	21
3. Install and Operate Various Android Applications, Games and Peripherals -----	22
L. Technical Limitations -----	23

PRODUCT FEATURE

This karaoke player operates on Android operating system, so it has owned all features with respect to Android operating system. It is not only a HDD karaoke player with HDMI, but also a product which has transcended the limitations of players. Actually, it is an intelligent computer system. By enabling the unit to access to Internet, users can download and install various APK applications from Android application store. And it also provides interfaces to camera, mouse, keyboard and other peripherals to support Internet surfing, chat, e-mail, webpage view, television, news visit, HD movies, photos, music, games, remote monitoring, timing & reminding, as well as interaction with PC and mobile phone. Additionally, users can also make full use of their imagination to explore the potential of the unit as it is really a professional device integrating KTV, HD smart TV box and Android computer.

Performance Parameters:

1. Video Output Resolution:

HDMI: 720P, 1080P Full HD
YPbPr: 720P, 1080P Full HD
CVBS: 480*720, 576*720

2. Video format: AVI(H.264,DIVX,DIVX,XVID), rm,rmvb,MKV(H.264,DIVX,DIVX, XVID),WMV,MOV,MP4(H.264,MPEG,DIVX,XVID),DAT(VCD),VOB(DVD), PMP,MPEG,MPG,FLV(H.263,H.264),ASF,TS,TP,3GP etc.

3. Audio format: Support MP3,AC-3,WMA,MP2,OGG,AAC,M4A,MA4,FLAC,APE,3GP,WAV

4. Picture format: JPG,BMP,PNG,GIF, Support the resolution up to 4096*4096.

5. Support a built-in hard drive with SATA interface, and support NTFS/FAT32 format partition with the maximum capacity of 2TB. Support GPT format with the capacity of over 3TB maximum 16TB (Formatted by windows 7/Vista)

6. Built-in WIFI and LAN network interface provide easy access to Internet.

7. Android 4. 0 operating system.

Description of Main Functions:

a).Karaoke Function:

- Have over 100,000 songs to choose from.
- The menu supports UNICODE fronts and can display the language of many countries, including English, Chinese, Traditional Chinese, Spanish, Japanese, Korean, Thai, Vietnamese, Russian, Khmer, Myanmar, Indonesia etc.
- Support for switching the Multi-audio-track of VOB/AVI/MKV file.
- This product has an easy-to-use intuitive graphical user-interface that has such features as Reserved, Insert, Replay, Inquire, Search, Favorite, Ranking etc.
- Support a variety of ways to select songs: selected by number/by Singer/by words/by language/by spelling.
- Powerful songlist management feature: The software and tool from the original manufacturer make it easy for you to create and edit the songlist.txt file.
- 3 ways for adding songs: 1) Connect the computer with Mini USB port, add songs into the hard drive of the unit by computer, and then edit the songlist.txt 2) Produce songs in the computer first, then COPY the song files into U Disk or Portable Hard Drive, then insert the U Disk or Portable Hard Drive into the HOST USB port of the unit, operate the remote control to add the songs into the unit automatically. 3) add songs from VCD/DVD disc.

(Note: For Type I, II karaoke player, there is no ADD SONGS function with DVD-ROM.)

ACCESSORIES LIST

- Users can customize the KTV menu option so as to easily program the menu interface used for own operating habits.
- Can display score with cheering and applause after each song is finished playing so as to enhance entertainment effects
(Note: Type I only has auto SCORE, can't display real SCORE, or can be externally connected).
- The function of INSERT COIN with active mode or passive mode can meet the customers for commercial purposes.
- Random playback function.
- Favorite function, User can collect favorite songs.
- The built-in microphone echo makes it easy for users to plug the microphone directly for singing. (Note: Type I does not have this function.)
- Build-in L/R audio output with auto volume control function. (AGC/AVC)
- The extended remote control IR interface supports externally connecting a remote control IR receiver with the remote control keyboard.
- Users can download lemon KTV client applications from "Apple Store" or "Google Play" and install these applications in iPhone/android mobile phones. Through running these applications, users can connect their mobile phones to the karaoke player via WIFI to control the playback/selection songs of the karaoke player with mobile phones

b). HD Multimedia Playback Function:

With HD Multimedia Playback Function, users can use the remote control (or mouse) to directly browse the movies and music which are stored in hard disk drive, U disk, mobile HDD, DVD, SD card.

c). Photo Browser:

Through the photo browser, users can use the remote control to directly browse the photos/pictures which are stored in hard drive, U disk, mobile HDD, DVD, SD card.

d). Internet Web Browser:

Through the web browser, users can use the remote control to simulate mouse events or use wireless fly mouse, to click on or directly visit website pages.

e). Android Home Theater Personal Computer (HTPC):

By connecting USB mouse and keyboard, users can search android applications through Internet and install these applications onto the desktop to perform various features such as gaming, social networking, video monitoring, reading, search and interaction with mobile phones.

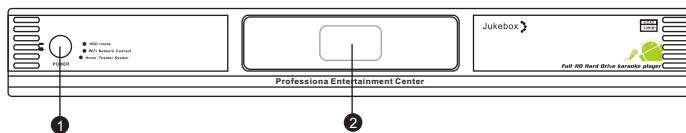
B. ACCESSORIES LIST

1.USB2.0 connection cable	1pcs
2.AV cable	1pcs
3.HDMI cable	1pcs
4.WiFi antenna	1pcs
5.Remote Control	1pcs
6.Manual of user	1pcs
7.The screws use for hard drive	4pcs
8.CD/DVD disc (with system files & software tools & demo songs)	1pcs

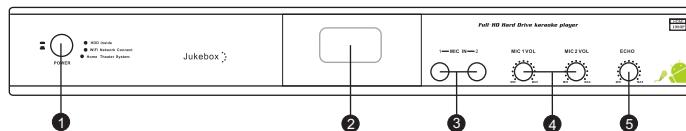
INPUT & OUTPUT PORT FUNCTION.

C. INPUT & OUTPUT PORT FUNCTION.

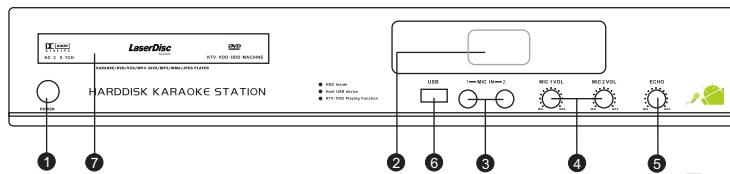
Front:



Type I



Type II

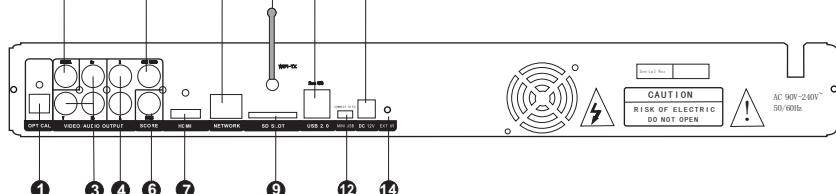


Type III

- 1. Power On /Off
- 2. IR ,LED Display Window
- 3. Mic In
- 4. Mic.Volume Control

- 5. Mic.Echo Control
- 6. USB slot
- 7. DVD-ROM

Rear Panel:



- 1. Optical Output
- 2. Coaxial Output to TV
- 3. YPbPr Component Output (HDTV)
- 4. Left/ Right Sound Channel
- 5. CVBS Video Output
- 6. Score Signal Input, can connect with MIC amplifier
- 7. HDMI Output (HDTV)
- 8. Lan network port

- 9. SD Card Socket
- 10. WIFI antenna
- 11. USB 2. 0 Socket
- 12. Mini USB Socket
- 13. COIN Control I/O port, Service Lamp
- 14. External IR sensor, receive signal port.

INSTALLATION OF KARAOKE SYSTEM

D. INSTALLATION OF KARAOKE SYSTEM :

- To ensure the karaoke player works normally, please put a hard disk drive in the unit and install the system files in the hard disk drive.
- If your karaoke player contains hard disk drive with songs library, it means the system has been installed in the hard drive, then do not need to read this page before using all the functions of the unit directly.
- If your karaoke player does not contain any hard disk drive, please use the CD disc in the package accompanied with the unit and follow the steps as follows to set up the system:
 - 1) Connect the hard drive with computer, run the /Software_tools/format_tool/EPMSSetup.exe file in CD accompanied with the unit, and split the hard drive into one partition (only one) and format the hard drive as NTFS or FAT32 with Primary (not Logical). (If your hard drive in excess of 3TB, please format it as GPT partition in Windows 7/Vista, from **computer->manage-> to computer management** window, convert to GPT and format and partition with NTFS file system)
 - 2) The CD disc contains system files and DEMO songs, so please copy all the folders and files into the hard drive completely.
 - 3) Screw off the screw and open the cover of the karaoke player cabinet, then you will see a yellow label marked "HARD DISK LOCATION". Please use the special screw in the package accompanied with the unit to fix the hard drive to the specified location, and then make sure the connected line is well plugged.
 - 4) Once everything is OK, connect the HDMI port of the unit with HD television, turn on the television and the karaoke player, the boot screen with the words of "Lemon KTV" will appear on the television screen, and finally Launcher screen will be displayed on the television :



5) Press the direction keys on the remote control and select [karaoke] icon to enter the KTV application mode. Once 00000 is displayed in the middle of the screen, press the <MENU> key on the remote control, then the song menu will appear on the screen, which means the unit is operating in KTV mode, so the system has been successfully boot. Then you can select some DEMO songs as a test (For the serial number of DEMO songs, please read README.TXT in the CD disc).

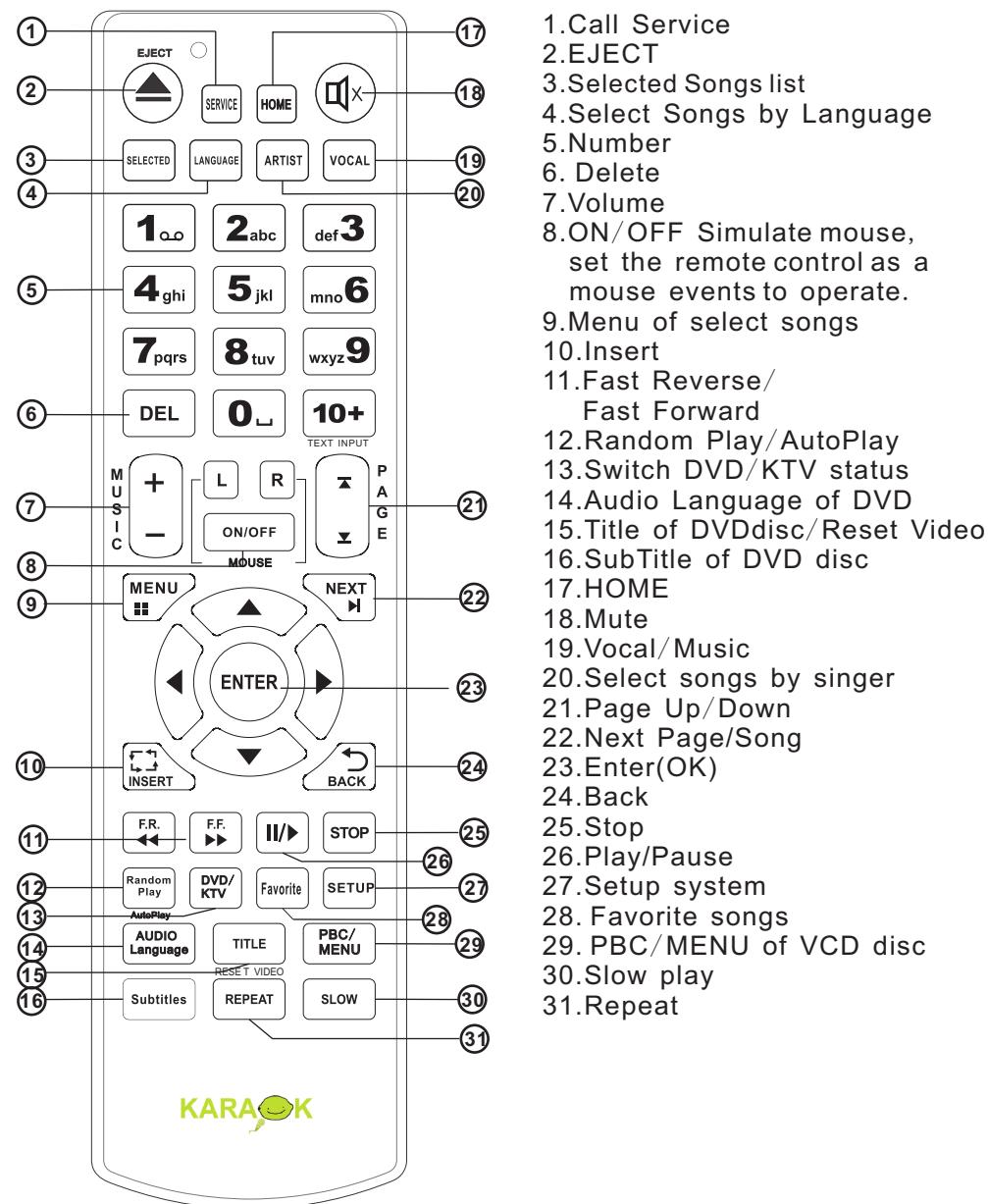
6) When the system works normally, please follow "How to Add Songs" in this manual if you wish to add your own songs library to the unit. Then you can enjoy the fun of singing.

(To maintain the HDD karaoke player, a computer is generally a must for completing the management of the song files, so it is essential to have a basic knowledge of computer operation.)

FUNCTION OF REMOTE CONTROL

E. OPERATION OF KARAOKE PLAYER

1. Function of Remote Control:



OPERATION OF KARAOKE SYSTEM

2. Operation of Karaoke System:

In the Launcher screen, you can select [Karaoke] icon to enter the KTV system.

a. KTV Operation Interface:

After entering the player system, the screen shown below will be displayed if the unit is normally operating in KTV mode. Then you can select songs for singing.



- (1) Flash when the unit work in Random-play status.
- (2) The amount of selected songs.
- (3) The number of the song that are playing.
- (4) The number of the next song that are going to playback.
- (5) This song was holden no to playback until released.
- (6) The selected songs number in list bar.
- (7) Coin count.
- (8) The list bar of selected songs number.
- (9) Th name of songs.
- (10) Input song number.

b. The way of select songs by number:

You can input the song number with the remote control to playback according to the songbook.

In KTV mode, press 0-9 number keys to input the song number, then press <ENTER> to confirm the input, or press <INSERT> key to insert the song to the first row in the selected songs list. Press key to cancel the input.

c. The way of select songs by menu(OSD):

If you don't have the songbook, you can press the <MENU> key on the remote control, then the song menu will appear on the screen. You can also select songs by language, type, song name, spelling or singers etc.

OPERATION OF KARAOKE SYSTEM



(Main Menu)



(Select songs by language)



(Select songs by singer)

OPERATION OF KARAOKE SYSTEM

(1) Move the cursor within the songs list, then press <ENTER> key to select songs, or press <INSERT> key to insert the selected songs to the first row in the [selected songs list].

(2) Press the <Favorite> key to display small icon  in the songs list and add the selected song to Favorite menu. Then users locate the song in Favorites.

(3) Press the 0-9 number keys or move the cursor to the number keyboard on the right of song list menu, then the songs will be displayed by the count of words of the song name. For example: when pressing 3, the song with the name count of three words will be displayed; when pressing 0, all songs will be displayed.

(4) Move the cursor to  icon on the right to select the songs by language/songtype, then press <ENTER> key to activate the alphabetical soft keyboard. By pressing the initial spelling of the song name, users can search the list of songs.

(5) Move the cursor to  icon on the right to select the songs by the name of singers, then press <ENTER> key to activate the alphabetical soft keyboard. By pressing the initial spelling of the singer name, users can search the list of songs.

(6) When a song is playing, you can see the serial number queue bar for the songs to be played on the top of the screen. Move the cursor with the LEFT/RIGHT key to view the name and serial number of the next song. Press key to delete the song. Press <INSERT> key to perform insert operation. Press <REPEAT> key to replay the song.

(7) When a song is stand in a selected songs queue, pull up the selected-songs number bar and move the cursor to the serial number of the selected song, and double-press the <ENTER> key quickly twice, then the song will be holden with a  marked with the song number on the bar. You can do other things. After coming back, you can pull up the bar to locate the serial number of the song, then press the <ENTER> key to release the song's state of being holden.



(Favorite)

TECHNICAL SPECIFICATIONS

F. TECHNICAL SPECIFICATIONS FOR KARAOKE SYSTEM

1. Basic Principles of HDD Karaoke Player:

1) There is a songlist.txt file in /KTV_SYS/ folder in the hard drive of the karaoke player, which is a text file in UNICODE format. All the information including song's name/serial number/singer/language is saved in this file. The karaoke player selects the songs for playing based on this file. For file rule, see the detailed description below.

2) Song number is from 00001 to 99999, which is composed of five numbers, these numbers represent the folder name (/00/~99/) and song file name (000.xxx~999.xxx) in the hard drive. For example: there is a song file name 006.AVI in the /03/ folder, so the corresponding song number is 03006.

3) When you select a song with menu, the unit will search the song's serial number in songlist.txt, then it will locate the corresponding song file in the hard drive by the serial number to playback.

4) When you select a song by serial number, the unit will search the song corresponding to this serial number in songlist.txt. If the song is located, the unit will display the song name on the screen, and play the corresponding song file in the hard drive. If the song can't be located, the unit will play the song file corresponding the serial number in the hard drive directly.

2. Description of File System

Folder	Definition	Description
00~99	000.xxx~999. xxx The folder with song files	The song files will be placed in each folder and named using 000 to 999. The song serial number is composed of five numbers. For example: if the song serial number is 63006, the unit will point to the 006.xxx song file in /63/ folder.
99	000.xxx~999. xxx Background Video files	The MTV song files or video clip files will be placed in this folder as MENU background to playback circularly.
KTV_SYS	SYSTEM FILES	Include the files necessary for normal operation of the unit.
	Songlist.txt	All the information with respect to songs is saved in the songlist.txt file. The karaoke player locates and selects the songs based on this file.
	KTVMENU*. ini	For the configuration file of MENU, users can define MENU options by themselves.
	SonglistManager. exe	The software tool to edit the songlist.txt, should operate on computer.
	/Background/Background*. png	Pictures as background of MENU.
	/ico/***. png	The picture files as MENU icon of karaoke player
	/Logo/logo***. *	The intro video files of logo.
	/Mobile_ico/***. png	The picture files as MENU icon of mobile KTV app.
	/Singer/***. jpg	The photo files of singer.
	/Score/***. mp3	Play the applause sound when scoring.
Software Tools	/Batch_rename_tool/	It can be installed in the computer to batch change the song file name.
	/CDG_to_AVI/	Used for convert CD-G disc to AVI file.
	/DVD_Decrypter/	Grab the VOB file from DVD disc to hard drive.
	/Format_HardDisk/	Tool to format the large-capacity hard drive.
	/Encrypt_Songs/	The tool of encrypt the song files.
	/Edit_songlist/	The tool of edit the songlist.txt file.
	/Android_apps/	The installation APK files of Android application.

TECHNICAL SPECIFICATIONS

3. The Format Of Song File:

***.AVI	MPEG4 format	Support high definition video
***.MPG	MPEG1/2 H264 format	Support high definition video
***.DAT	VCD format	
***.VOB	DVD format	Multi-audio-track
***.WMA	WMA audio format	File size smaller than MP3
***.Mp3	MPEG_3 audio format	
***.MKV	MKV format	Support high definition video

4. Rule of electron Songlist.txt:

Songlist is a songlist.txt (UNICODE) file in the /UNI_SYS/ folder of the hard drive. One line represents a song, and there are 13 semicolons in each line, which are used to define the information of the song. The definition rule is shown as follows:

MY BONNIE;1;Twins Le;2;5;8;MB;65269;TL;2;10;STAR BAY;SB;TwinsLe



(1) Song' s name

(2) Position VOCAL/ MUSIC in the song file (Fill in 0, 1 numbers or space as flag):

0/space -- The music is located at the **Left** sound channel of the song file (stereo file).

1 -- The music is located at the **Right** sound channel of the song file (stereo file).

0/space --The music is located at the **C0/80/A0** audio0 track of the song file(multi-audio-track file).

1 -- The music is located at the **C1/81/A1** audio1 track of the song file (multi-audio-track file).

(3) Singer' s name

(4) The words count of songs name

(5) Song' s language item code: (Fill in 1~15 numbers)

1-Chinese 2-Cantonese 3-Taiwanese 4-Spanish 5-English 6-Janpanese 7-Thai 8-Russian

9-Myanmar 10-Indonesia 11-Korean 12-Vietnamese 13-Khmer 14-Malay 15-Portuguese

(6) Volume: Parameter 0-9 represents that the volume is adjusted to 10%-90%

of the maximum volume.

"0" represents that the current volume is not changed.

(7) Initial spelling of song name: It is used to select the songs by initial letter

of spelling of the song name when search operation with menu. [(4)(5) of Page8]

(8) Song' s number: consists of five numbers,they are **folder name+song file name**

in hard drive,For example:there is a song file 006.xxx in the /63/ folder,so
that song' s number is 63006. [(4)(5) of Page8]

(9) Initial spelling of singer. The initial letter of spelling of singer name

(10) Singer classification (Fill in 1~3 numbers) :**1**-Male **2**-Female **3**-Bands

(11) Song type code:(Fill in 1~15 numbers)

1-Choral 2-Disco/Dance 3-Birthday 4-Barrack Ballad 5-Love songs 6-Hymn 7-Folk Songs

8-Opera 9-Special 10-Child 11-Concert 12-MTV 13-Military songs 14-MP3/MUSIC 15-User Songs

(12) Album name.

(13) Initial letter of spelling of album name

(14) Singer photo file name (don' t add any postfix) : It is named as ***.jpg in the photo of singers in
\\KTV_SYS\\SINGER\\ folder of the hard drive.