

# OKE HD KARAOKE PRE AMP MIXER

Professional Home KTV  
User Menu

噢奇高清卡拉OK前置混音器  
使用手冊

## OKE HD KARAOKE PRE AMP MIXER

### Creatrive Digital Home Entertainment

Full HD video songs, Sigma Designs HD chip, top U.S. high definition technology. 1080p video resolution display is fine; vivid; smooth and stable. Clarity of old video is improved a lot. The latest Japan YAMAHA high-end digital 3D audio with Digital Sound Processing (DSP) effects provides 8 modes of stereo 3D mixing effect to replace the old existing unidirectional vocal mixing. Professional mic. tuning is unnecessary, just plug and play. Convenient and affordable.

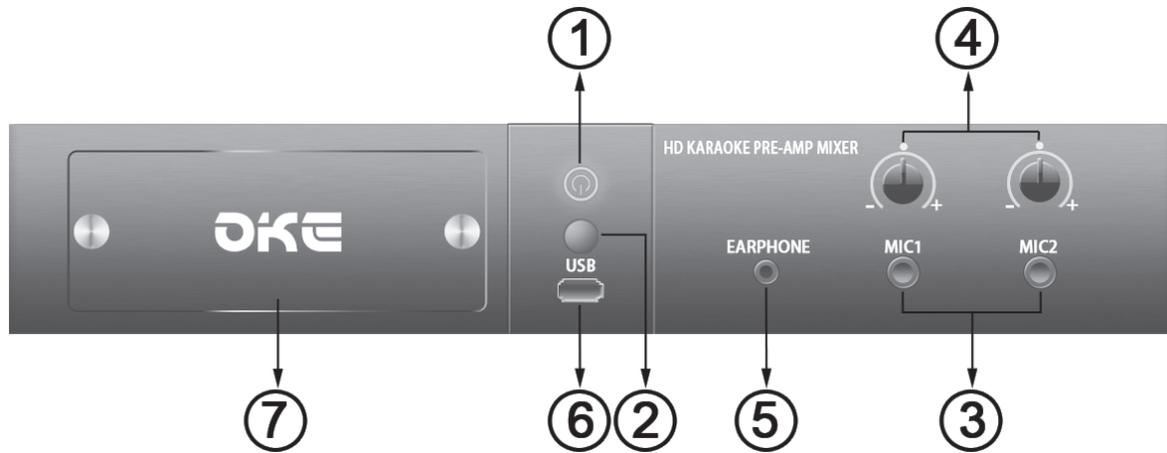
Audio output is automatically balanced, problem of different soundtrack volume level from various production companies is thus solved.

Independent built-in Wi-fi module requires no additional router. Direct connection to iPhone; iPad and Android App enables mobile VOD. Remote controller also allows song selection on the TV screen. Three platforms of VOD system operate simultaneously. Picking favorite song is as easy as ABC.

The headphone audio output port is K fans favorite. Practice singing skill with your headphone on; connecting to recording device, and sharing with your family are more fun and convenient.

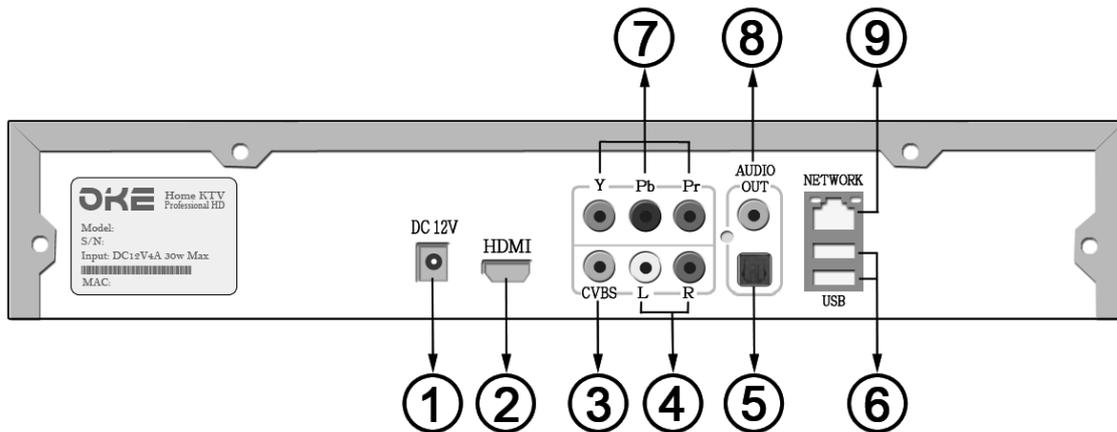
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## Front Control Panel



1. Power Light On / Off Button  
Power light in Red indicating the power is OFF. Power light in Blue indicating the power is ON. Press power light button once, power light changes from Red to Blue. System loading screen is displayed, wait for the Main Menu to be displayed on the TV screen for selection.
2. Remote Control Signal Receiver  
Aim the remote controller towards this sensor spot.
3. Microphone Input Jack  
Dynamic microphone input jacks x 2.
4. Microphone Volume Knob  
The factory default microphone volume is indicated by a small circular white dot on the front panel.
5. Earphone Jack  
Plug in a set of headphones into 3.5mm mini-jack socket to enjoy your private listening or singing fun.
6. USB Port  
External mass storage devices can be used via connecting them to the USB port.
7. Hard Disk Slot  
Make sure the power is Off when you insert or detach a hard drive. Turn the two screws anticlockwise to release the metal cover. Insert your hard drive into the slot with hard drive's connector end facing inwards.

## Rear Control Panel



### 1. 12 v. Power Supply Jack

Power light in Red indicating the power is OFF. Power light in Blue indicating the power is ON.

### 2. HDMI Digital A/V Output

Provide 1080p video signal. Connect to flat-panel TV with HDMI cable.

### 3. Composite Video Output

### 4. RCA Left / Right Audio Output

### 5. Optical Digital Audio Output

### 6. USB Port x 2

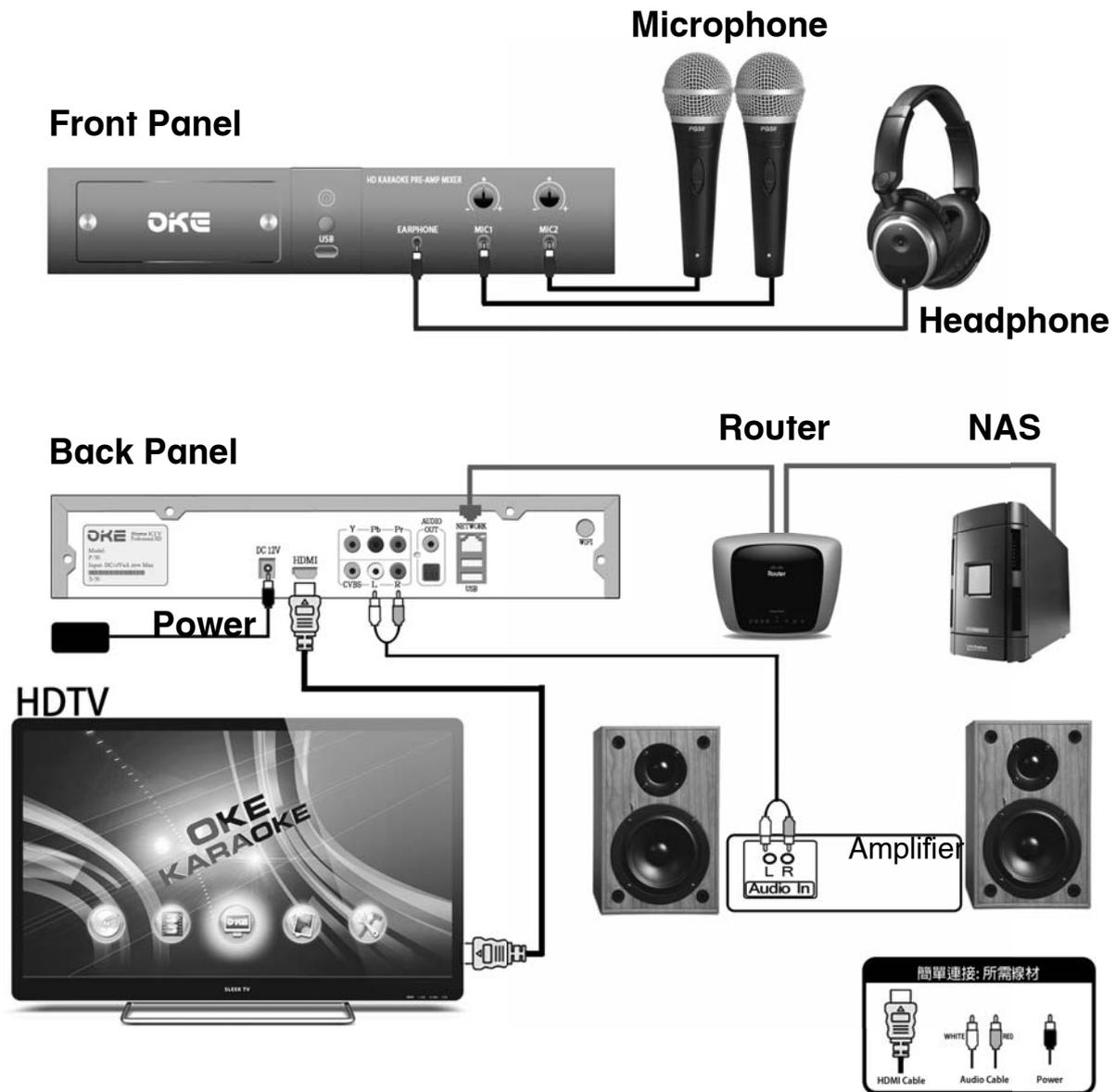
### 7. Component Video (YPbPr) Output.

### 8. Coaxial Digital Audio Output

### 9. RJ45 Network Port

### 10. Wi-Fi Antenna port

## Installation Overview



### Wi-Fi installation: (POWCHIP Pow-A5 USB Wi-Fi)

1. Power off the okebox before insert the WiFi USD adapter in the appropriate USB port of okebox.
2. Power on okeboxIf WiFi USB already connected to okebox, WiFi will be automatically active.
3. Press ipad /iPhone /android device's wifi setting and select oke's WiFi SSID before press okemixer.app.

## Main Menu Introduction



Music Icon; Movie Icon and Photo Icon allow user to plug in USB memory stick (FAT32) or other mass storage devices through either one of the USB ports for photos / music / video files playback.



Operating as follows:

1. Connect a USB device to OKE Box.
2. Press ←/→ to select Music icon/Movie icon/Photo icon on the Menu, then press OK.
3. Press ↑ / ↓ to select the USB device, then press OK.
4. Press ↑ / ↓ to select a file or folder. Press OK to start the playback

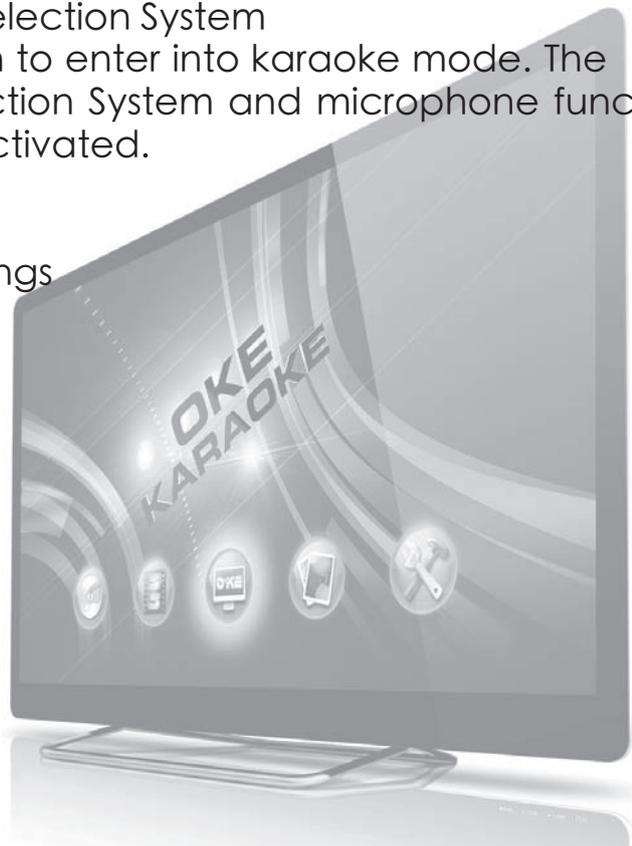


### OKE Song Selection System

Select icon to enter into karaoke mode. The Song Selection System and microphone function are now activated.



### System Settings



# System Settings



## System

Language : Chinese / Traditional Chinese / English  
 Firmware Update : OK / Existing firmware ..version..date  
 Factory Setting : OK  
 Screensaver : Close / 3Min / 5 Min / 10 Min  
 Desktop Theme : System Default / Custom Setting



## WiFi Settings

WiFi SSID : 000D4C1A0EF9  
 WiFi Security : OPEN / WEP / WPA / WPA2  
 WiFi Password : 1234567890  
 WiFi Subnet : 192.168.X.X  
 Connect Wifi : OK



## Network

Network Information LAN Information; IP Address; IP Mask; IP Router; Main DNS  
 Submit gateway : Wired / Wireless Client Mode; Wireless AP mode  
 IP Access Method : Static IP / DHCP  
 IP Address : 192.168.X.XXX  
 IP Mask : 255.255.255.0  
 IP Router : 192.168.X.X  
 Main dns : 192.168.X.X  
 Second dns : 202.XX.XXX.XX  
 Network Refresh : OK



## Audio and Video

Video Output : AV / HDMI  
 Display Resolution : 480 / 480p / 720p / 1080i / 1080p  
 TV System : NTSC / PAL  
 Audio Output : DTS Dolby Digital / HDMI / DTS  
                   Dolby Digital D+  
 Slide Show Time : 3 sec / 5 sec / 10 sec / 30 sec



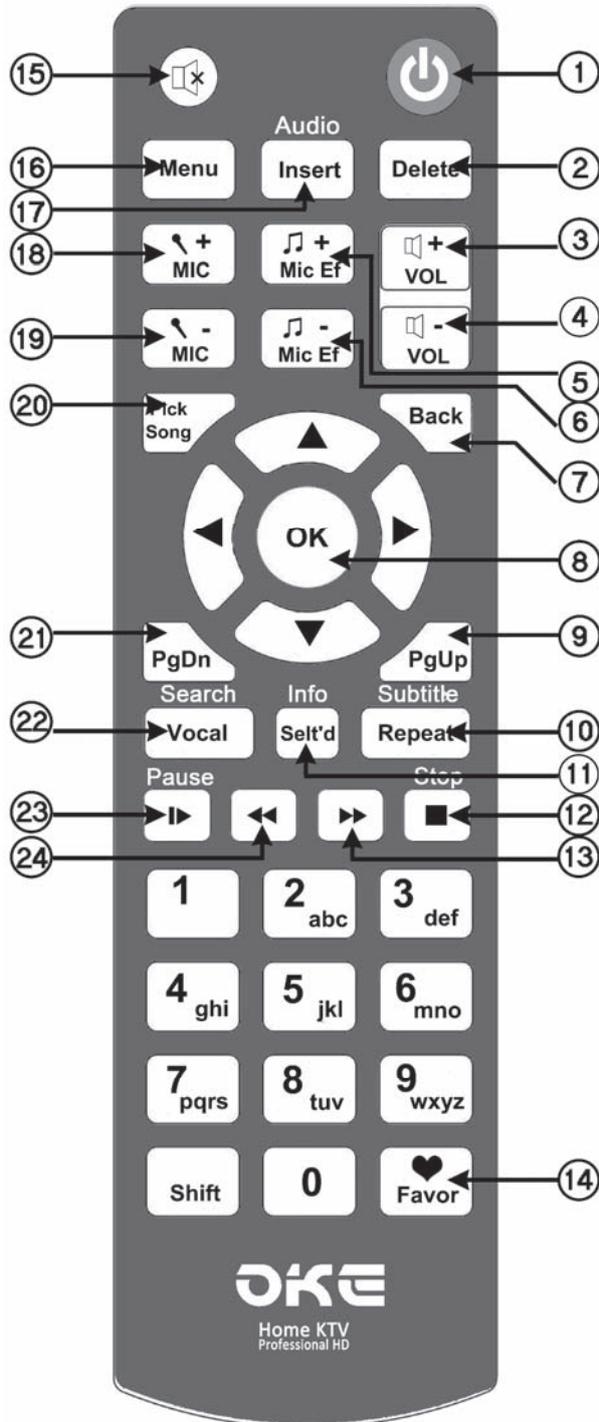
## Play

Subtitle Size : Max. / Large / Middle / Small / Min.  
 Subtitle Color : White / Yellow / Blue / Green / Red  
 Subtitle Position : Top / Bottom  
 Video Mode : Normal / Continuously  
 Slide Show Time : 3 sec / 5 sec / 10 sec / 30 sec

## Select Songs

Title	Description	Settings
Selected songs	Every time you turn, whether to retain the selected songs not broadcast.	Save not play selected song /Clear all selected song after restart
Insert	Allow iPad / iPhone / Android APP to control.	Off / On
Delete		Off / On
Repeat		<input type="radio"/> ff / On
Stop		Off / On
USB Add Songs		OK
Auto Play		Off / On

# Remote Control



Power On / Off

Karaoke: Delete

Volume +

Volume -

Mic. Effect + (echo+)

Mic. Effect - (echo-)

Back

OK

Karaoke : Page Up

Karaoke : Repeat

A/V Mode : Subtitle

Karaoke : Playlist Of The Selected

A/V Mode : Information

Karaoke;A/V Mode : Stop

A/V Mode : Fast Forward

Karaoke: My Favorite Song List

Karaoke;A/V Mode : Mute

Main Menu

Karaoke : Insert A Song For 1st Priority

A/V Mode : Select Audio track

Mic. + (Impedence)

Mic. - (Impedence)

Karaoke : Select Main Menu

(Press twice OSD vanish)

Karaoke : Page Down

Karaoke : The Vocal Sound Tracks

A/V Mode : Search

Karaoke;A/V Mode : Pause

A/V Mode : Fast Reverse

Mark: 3A Battery x 2

## Song Selection

### 1. TV screen-Song Selection System (OSD Selection System)

Song Selection System is fully embedded and occupied a half display on TV screen. Besides all the features of a commercial Karaoke system, it congregates new functions to meet demanding customer needs. possesses the following commercial karaoke elements: simple remote controller operation; simultaneous display of singer photo and name and fast-paced selection flow. Professional Karaoke system is now simplified. Singing while picking songs on-screen;no computer monitor required anymore;money saving and furnishings space saving make the only choice of a new generation home entertainment product.

Select icon in the Main menu, then press OK to enter into the Karaoke system, press Pick on the remote controller. Song Selection main page will be displayed on the TV screen. Go ahead to pick your favorite. OSD vanishes automatically in 12 seconds. Press Pick key twice to quit OSD immediately.

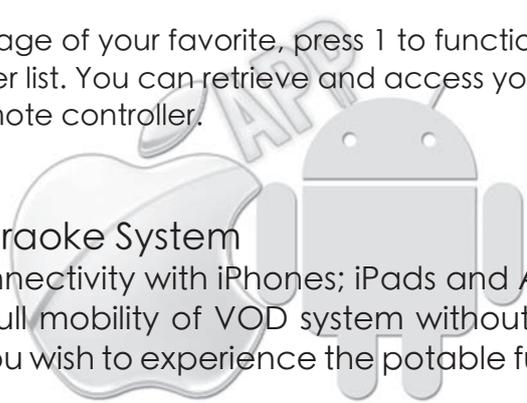
The Song Selection system has a choice of My Favorite folder which contains a list of your Favorite Songs and a list of your Favorite Singers.

**My Favorite Song:** Enter the number adjacent to the desired song, a translucent bar will appear, press OK and a red heart icon will appear confirming that the song has been stored into My Favorite song list.

**My Favorite Singer:** Enter into the singer page of your favorite, press 1 to function the confirmation of storing into My Favorite singer list. You can retrieve and access your storage by pressing the Favor button on the remote controller.

### 2. Apple / Android Apps – External Karaoke System

Independent Wi-Fi facilitates mobile connectivity with iPhones; iPads and Android Pads. Apps supports multi-access and full mobility of VOD system without limiting VOD to a specified location. If you wish to experience the potable fun, login [www.okemixer.com](http://www.okemixer.com) website for detail.



## Echo Mixer Introduction

### Microphone Sound Field (Reverb/ECHO) Mixer

Latest High-End 3D Digital Audio DSP Mixer Processor from YAMAHA Japan is applied. Main DSP (MDSP) + Sub DSP (SDSP) + FM synthesizer are integrated to deal with both the microphone vocal and music channels simultaneously creating different sound field effects and achieving superb professional reverb / echo effects.

#### MDSP:

Operating frequency 49.152MHz

Data bus width 32bits Floating point operations

Multiplier: 32bits Floating point x 16bits (Fix point) + 49 bits → 49bits

Microphone signal level detector

To create the early reflections sound

3D Sound

3-band parametric equalizer(PEQ)

5-band graphic equalizer(GEQ)

Crossover filter

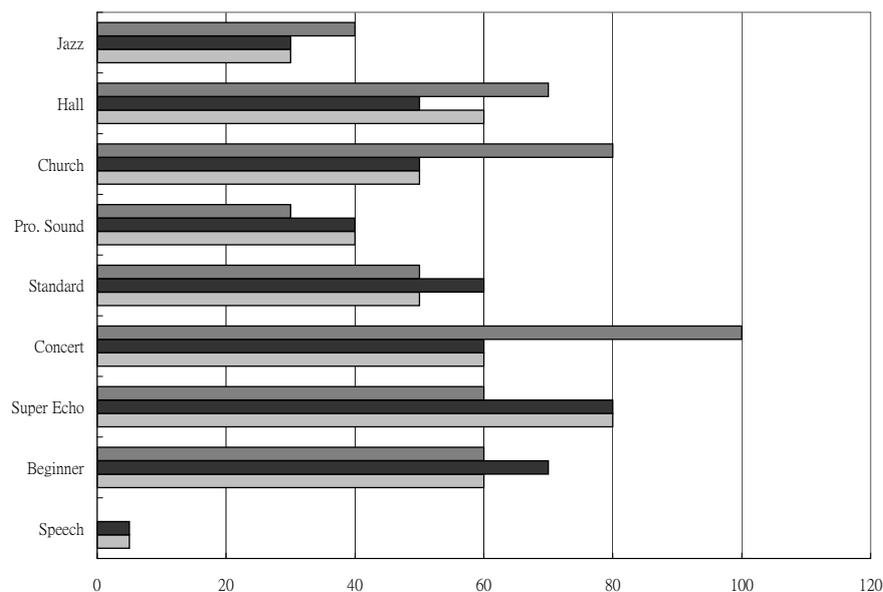
#### SDSP:

Sample Rate Converter(SRC)

10-Band Parametric Equalizer(PEQ)

De-emphasis Filter

#### Karaoke 3D Echo Mix Reference:



## Microphone Settings

Microphone volume knobs are used to adjust the volume of the respective microphone. Turning clockwise is to increase the volume while anti-clockwise is to decrease. The factory default microphone volume is indicated by a small circular white dot on the front panel. It's advised that microphone volume knobs should always be set at the factory default position, in other words, the indicator on the microphone volume knob should be set pointing towards the circular white dot.

If wireless microphone is used, ensure the final vocal output from the receiver is no greater than the output of a wired microphone.

The impedance of most vocal microphones are rated at 75 to 300 ohms; which falls in the range of OKE Box Mic.+ / Mic.- level 5 or 6.

Inappropriate setting may either cause annoying howling feedback or attenuation of vocal bass. It is strongly recommended to use the factory default level "5" or "6". If the default level is difficult to match the impedance with your microphone, it is advised that you should better change for another microphone of good quality.

## NAS network storage server connection

1. NAS network storage server to create a new shared folder named "oke"
2. Check the IP address of the NAS
3. Used network cable to connect okebox on the same group of router.

Choose "media" / "Music" / "Phone" icon from main menu and then press "My network Share" , select NAS IP address.

# Specification

## Technical Specifications

<b>Media Processor</b>	U.S.A Sigma Designs HD (SoC) Media Processor
<b>Audio DSP Processor</b>	Japan Yamaha Digital 3D Audio DSP Effects Processor
<b>Video Output Connection</b>	HDMI v1.3a YPbPr Video Out Jack CVBS Video Out Jack
<b>Audio Output Connection</b>	S/PDIF Optical Audio Out Jack Coaxial Digital Audio Output R / L RCA Audio Out Jack
<b>Lan</b>	RJ45 10M/100M x 1; embedded Wi-Fi, 802.11 g/n Standard
<b>Storage</b>	3.5" SATA HDD, Capacity to support 500GB - 4TB
<b>Extenal Storage</b>	USB 2.0 Drive (Front) x 1; USB 2.0 Drive (Back) x 2
<b>Headphone</b>	3.5mm Stereo Headphone Audio Out Jack (Front) x 1
<b>Microphone</b>	6.3mm Microphone Input Jack (Front) x 2
<b>Video format support</b>	MPEG-1 ; MPEG-2 ; MPEG-4.2 ; H.264 ; AVI ; MPG ; VOB ; MKV ; TS ; M2V ; VC-1 ; WMV9 ; AVS
<b>Audio format support</b>	DV; MPEG ; WMA ; AAC ; HE-AAC ; FLAC ; WAV ; MP3 ; PCM
<b>Photo format support</b>	JPEG ; M-JPEG ; BMP ; GIF ; PNG ; TIFF
<b>Product Dimension</b>	350(W) x 260(D) x 70(H) mm
<b>Weight</b>	2.6 Kg. (without hard drive)
<b>Accessories</b>	Remote controller with battery x 1 ; HDMI Cable x 1 ; RCA Cable x 1 ; AC/DC 12V Adapter ; User Menu
<b>Packaging</b>	460(W) x 410(D) x 130(H)mm
<b>Warranty</b>	One Year

**Note** 

1. Never remove or replace the hard drive while the power light is Blue or the hard drive and the OKE System will be damaged.
2. If the OKE Box cannot read the hard drive files, switch off the Box first and check if the hard drive is properly inserted into the hard disk slot.
3. Never cover the ventilation holes or insert anything in the cabinet. To ensure proper ventilation, never place any objects on the top of the Box as overheating and auto shut-down may be resulted, especially when room temperature is higher than 30°C (> 30°C).
4. To avoid damage to your hard drive and the OKE Box, place the Box on a stable, level surface.
5. Sudden power interruption will cause damages to your hard drive and the OKE Box. Do not use the Box when power supply is not stable.
6. To avoid damage to your loud speakers, turn down the volume of your amplifier to the minimum level when inserting your wireless microphone / wired microphone. Adjust the volume slowly to the appropriate level.
7. To prevent internal electronic components from getting damp and the risk of circuit-short in high humidity environment, switch on the OKE Box for several minutes bi-weekly and habitually, heat from the motherboard helps moisture evaporation.

**System Firmware Update:**

1. Download the latest version of the system firmware program from OKE website ([www.okemixer.com](http://www.okemixer.com)) and save the file in a USB memory stick (FAT32).
2. Turn off the OKE Box. Red power light indicates the Box is in off position. Insert the USB into the relative port of the Box and then switch it on.
3. A message "Upgrade in progress. Do not power off" will be displayed on the TV screen.
4. Upon successful completion of the firmware update, the system will automatically enter into the Menu page.