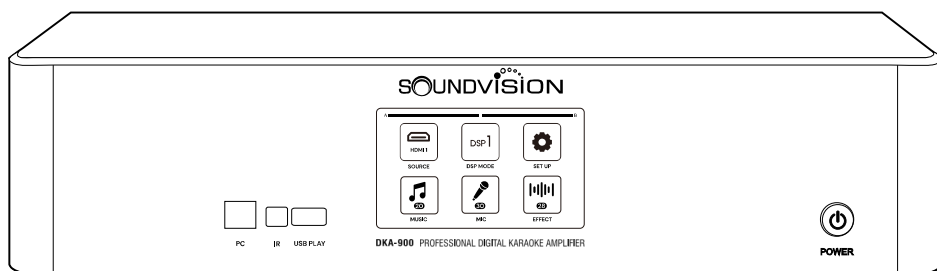




## DKA Series

PROFESSIONAL DIGITAL KARAOKE AMPLIFIER



TIS 1195-2536

# USER MANUAL



QUICK GUIDE

# DKA SERIES

## Safety instructions

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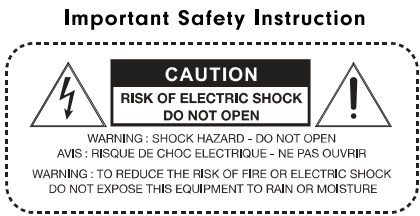
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# Safety instructions

Thank you for purchasing our products. Before operating this machine, please read this instruction manual thoroughly so that you can understand how to use this equipment correctly. After you have read this manual, please keep it in a safe place for future reference.



During thunderstorms or if you do not plan to use the device for a long time, unplug the device from the power source to prevent any damage. Do not place the device where it is vulnerable to dripping or spraying. For example, do not place containers containing liquids on the device to prevent the device from getting wet or getting water. If the equipment experiences water infiltration, disconnect the power immediately and take the equipment to the dealer or the manufacturer for maintenance. In order to ensure the normal operation of the equipment, do not block the heat dissipation holes and fan holes of the machine. Do not install the device near heat sources such as radiators, electric heaters, stoves or other devices (including amplifiers) that generate heat. If the device fails, contact your dealer or manufacturer.

## Simple Fault and Overhaul

**Note :** In order to avoid unnecessary losses to you during transportation, when the machine fails, it is not necessarily a problem with the machine. Therefore, please check the following methods before you submit for repair. After the fault is determined, you can package the machine and return it to our company. We will provide you with enthusiastic repair services.

Phenomenon	Cause	Solution
No sound output and the display is off	The power socket has no power supply	Check the power supply system
	The socket is not well plugged	Please connect the power socket well and maintain good contact.
	The AC voltage fuse is burnt.	Unplug the power socket and exchange with the fuse of the same specification.
No sound output but the display is on	The output acoustics has no good signal connection	Reconnect and maintain good contact
	The main sound is set to the minimum	Reset as the setting means in the Instruction Manual
	The machine is set as mute.	Cancel mute
	The signal source has no signal output	Check the signal source
Have only one channel for sound output	The speaker output signal line on one side is not well connected	Reconnect and ensure good contact
	One input signal is wrongly connected or not connected	Reconnect and ensure good contact
	Damaged signal line	Replace and reconnect, ensure good contact

## DKA-Series Professional digital karaoke amplifier

DKA-Series Professional digital karaoke amplifier plus Hi-end quality sound bring to your home enjoy your music and sing a song music your love from YouTube via smart TV easy.

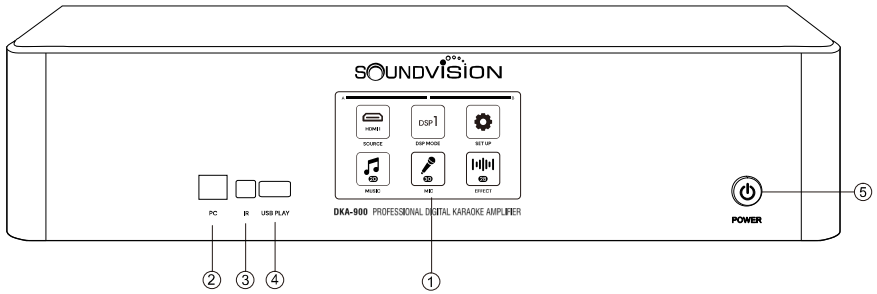
EASILY to connect your smart device for listening music via Bluetooth 5.0 lossless, Support 4K HDMI scale and ARC return from smart TV for high quality audio video.

### Feature

- Professional Digital Karaoke Amplifier
- Input : 3+1 Audio/Video (HDMI), 3 Audio, 1 D-Audio, 2 Mic
- Output : 1 Audio/Video (HDMI/ARC), 1 Center, 1 Sub, 1 Rec (L/R)
- Built-in DSP Processor
  - 7 Band Parametric EQs 20Hz -20kHz  $\pm 12$ dB For Music (\*)
  - 7 Band Parametric EQs 20Hz -20kHz  $\pm 12$ dB For Microphone (\*)
  - 8 Mode DSP Music, Microphone, Effect
  - 3 Mode Digital Auto Feedback Suppression (\*)
- Touch display can choose Users can directly operate the menu on the touch screen, simple and convenient.
- Music Mode, Mic Mode, Effect Mode, Boot volume setting and maximum volume lock function.
- Built-in DSP 8 Mode (Music, Microphone, Effect)
- Built-in 5.0 Bluetooth lossless player.
- Built-in USB Media player Supported formats : MP3 / WAV / APE / FLAC / WMA
- High fidelity, large dynamic power amplifier, super stability, Strong Output power.
- Support USB tuning software control interface.\*
- Supports 4K 2K scale 3 HDMI input plus 1 HDMI (ARC)
- Supports Standard Audio, DSD Audio and HD Audio.
- Support wide Frequency Range : 25MHz - 300MHz TMDs clock.
- Supports 12-Bit Deep Color Full HD, 3D and 4K 2K video.
- Supports on-chip EDID RAM for Port 0, Port 1, and Port2.

\* Via software on PC

## Function Description of the Front Panel

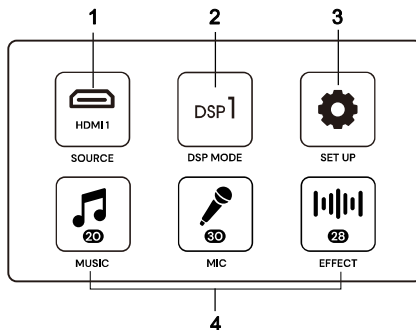


1. Display touch screen : Show operation menus, and other information.
2. USB : PC connection & control vi Type-B connector.
3. IR accepts remote control signals.
4. USB Flash drive port : USB Media player Supported formats : MP3 / WAV / APE / FLAC / WMA
5. Power switch : Will turn-on white light when turn on power amplifier

Turn on power amplifier's the soft start anti-surge impact circuit starts to work.  
 After about 3 - 4 seconds we hear a "click" sound means that the soft start work is completed.  
 After another 1 - 2 seconds we hear a "click" sound means that the amplifier is connected to the speaker and the device is now in working state.

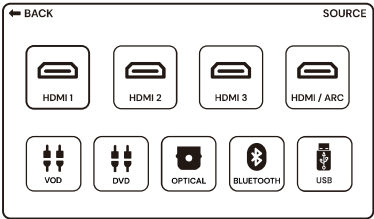
## Function Description of the Touch Screen and Setting

Turn on power amplifier's connect to the power supply. displays current settings of the equipment, operation menus, and other information.



# Function Description of the Touch Screen and Setting

1. **Display input signal source selection.** Touching menu to access input signals selection interface. The equipment supports of music input channels, including



- 1.- 3. HDMI 1, HDMI 2, HDMI 3 signal input
- 4. HDMI / ARC : TV audio signal return
- 5. VOD : VOD signal input
- 6. DVD : CD/DVD/VCD signal input
- 7. Optical fiber signal input
- 8. Bluetooth signal input  
**(Bluetooth name : DKA-500 / DKA-900)**
- 9. USB Media player Supported formats :  
MP3 / WAV / APE / FLAC / WMA

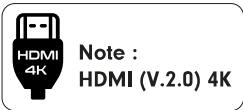
## Setup HDMI ARC Output of Smart TV to Working

Setting on Smart TV SAMSUNG (Output PCM)

Home > Settings > Sound > Sound Out > Audio Out (HDMI/ARC) > Expert Settings > Digital Output Audio < **PCM** >

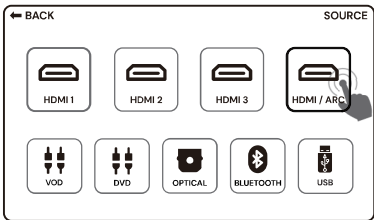
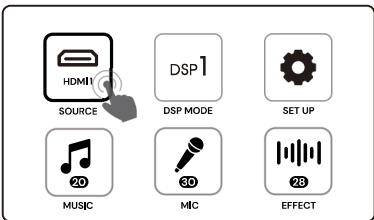
Setting on Smart TV LG (Output PCM)

Home > Settings > Sound > Sound Out > Audio out (HDMI/ARC) > Digital Sound Out < **PCM** >



## Setting on DKA Karaoke Amplifier

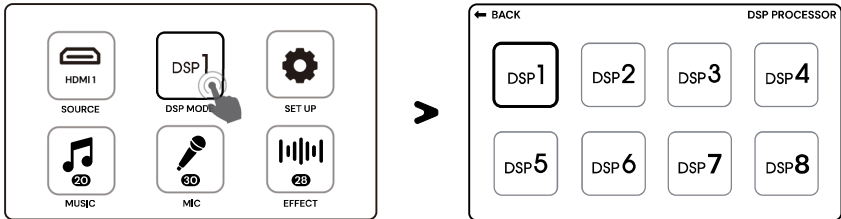
Touching menu SOURCE on main menu. Touching menu to access (Will show a blue frame) connect to the input signals HDMI / ARC



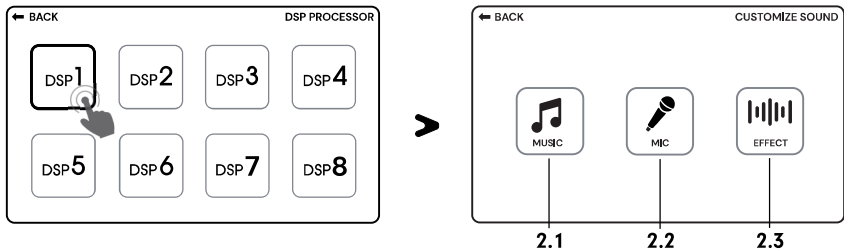
## Function Description of the Touch Screen and Setting

### 2. Display show DSP 8 modes select ( For Setup Music, Microphone, Effect )

The company has set up a mode for users to select can downloading from the website [www.soundvisionpro.com](http://www.soundvisionpro.com) ( Ex... **DSP1** : Soundvision KS-310 etc.) User selected DSP mode to connect. Return to the main menu by touching "BACK" (top left page).If you wait about 3 seconds, the main menu will show.

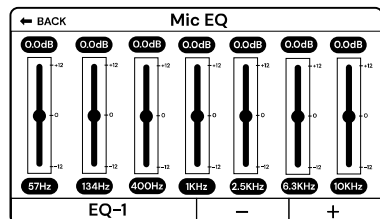
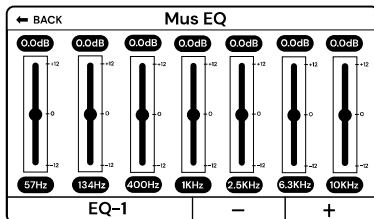


**Setup Music, Microphone, Effect :** Touching menu to access (Will show a blue frame) wait about 3 seconds connect to the page customize sound



**2.1 Setup Customize Sound For music (\*)**  
7 Band Parametric EQs 20Hz -20kHz  $\pm 12$ dB

**2.2 Setup CustomizeSound For Microphone (\*)**  
7 Band Parametric EQs 20Hz -20kHz  $\pm 12$ dB

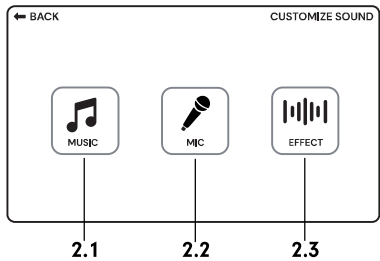


\* Via software on PC

# Function Description of the Touch Screen and Setting

Setup Music, Microphone, Effect : menu page customize sound

## 2.3 Setup Customize Sound For Effect



← Eff Parameter (ECHO+REV)			
Echo Reb:	8	Rev 1 Time :	5.0s
Echo Dly:	184ms	Rev 2 Time :	4.5s
Echo Vol:	9	Rev 3 Time :	4.5s
Rev Vol:	68	Rev H_Cut1:	88
Rev Dly:	20ms	Rev H_Cut2:	90
Echo Rep		—	+

## 3. Touching SET UP wait about 3 seconds connect to the sound system setup

← BACK System Setup			
Mus Max Vol:	20	Mus Init Vol:	10
Mic Max Vol:	60	Mic Init Vol:	30
EFF Max Vol:	60	EFF Init Vol:	30
Factory set		—	+

- 1 Music max volume: **DKA-500** : 0 - 20 , **DKA-900** : 0 - 25
- 2 Music start-up volume: 0 - 10
- 3 Microphone max volume: 0 - 60
- 4 Microphone start-up volume: 0 - 30
- 5 Effect max volume: 0 - 60
- 6 Effect start-up volume: 0 - 30

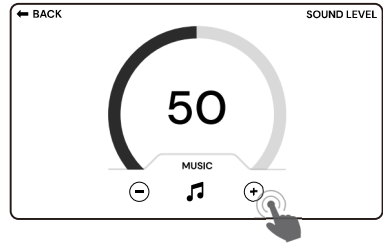
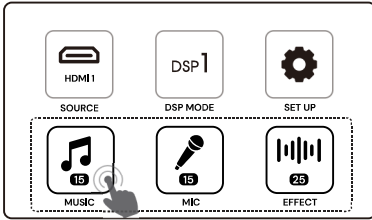
- 7 English: choose English interface/Chinese interface switchover
- 8 Factory setting: choose to recover the factory setting or not
- 9 Volume setting: increase/decrease



## Function Description of the Touch Screen and Setting

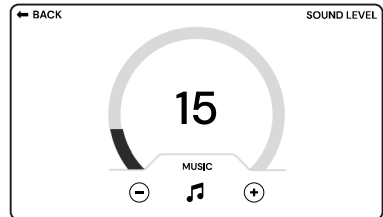
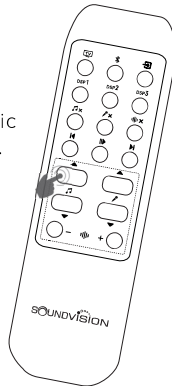
### 4. Music, microphone and effect volume adjustment selection.

Touching menu to access sound level. Adjust sound level (volume 00 - 99) adjustment volume up - down (step + - 1) and return to the main menu by touching "BACK" (top left page). If you wait about 3 seconds, the main menu will show.



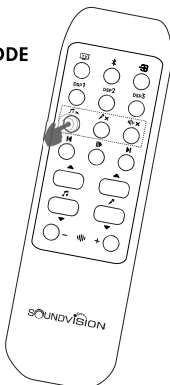
**OR**

Push button music to access sound.



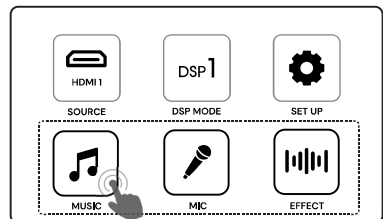
Touch and hold this area can have mute (red icon). Touch and hold to stop mute mode.

**MUTE MODE**

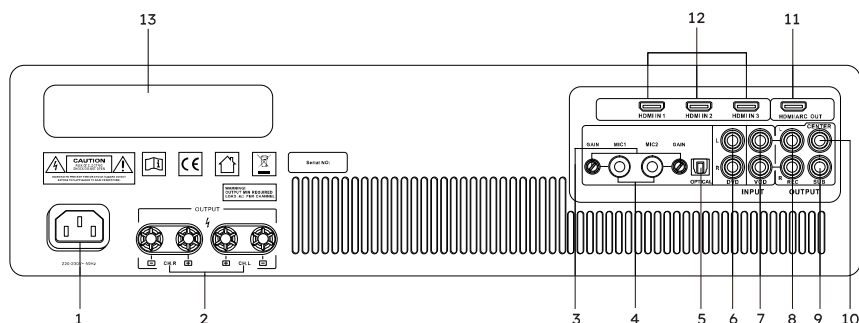


**OR**

touch the screen

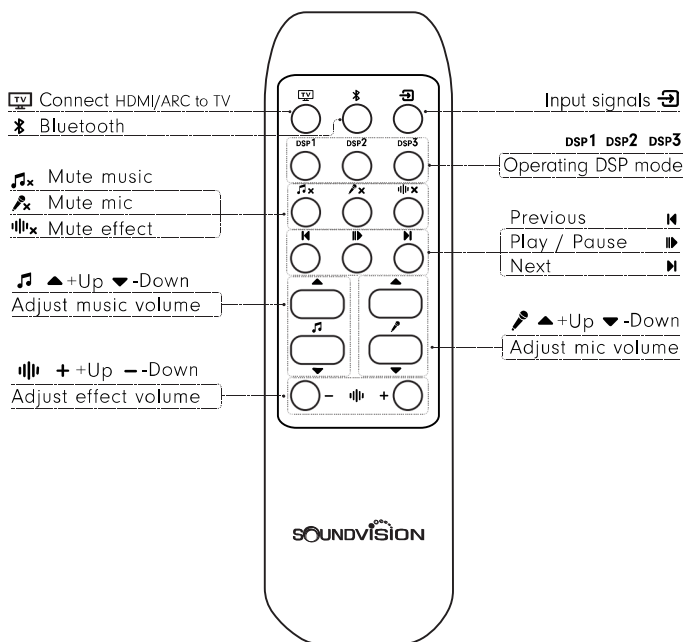


## Function Description of the Rear Panel



1. Mains Power input
2. Right channel of amplifier output: used to connect to the speaker and providing a terminal  
Left channel of amplifier output: used to connect to the speaker and providing a terminal
3. MIC 1 / MIC 2 input gain control knob
4. MIC 1 / MIC 2 input TRS socket (6.35mm)
5. OPTICAL accepts optical digital input signals
6. DVD : Stereo analog signal input, L / R RCA Connector
7. VOD : Stereo analog signal input, L / R RCA Connector
8. REC : Stereo analog signal output, L / R RCA Connector
9. SUB : Mono analog signal for subwoofer output, RCA Connector
10. CENTER : Mono analog signal for monitor output, RCA Connector
11. HDM / ARC OUT : For connecting HDMI-compatible TV and outputting video / TV audio signal return
12. HDMI (1 - 3) : For connecting HDMI-compatible playback device and inputting video / audio signals
13. Slot Wireless microphone support (Optional)

## Function of remote controller



## Packing List :

Please check the accessories when you open the box:

- |                       |         |
|-----------------------|---------|
| 1. Power cord         | 1 pcs.  |
| 2. USB (B type) Cable | 1 pcs.  |
| 3. Remote control     | 1 pcs.  |
| 4. User Manual        | 1 Book. |



### Software

^ DKA-Series

DIGITAL KARAOKE AMPLIFIER

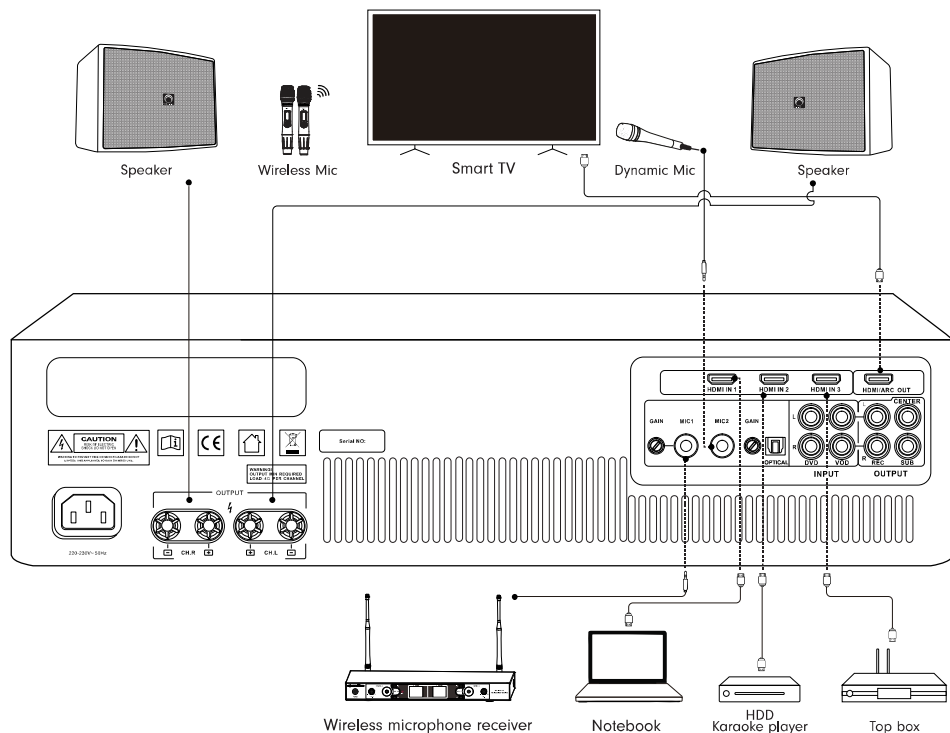
Download

**Software → DIGITAL KARAOKE AMPLIFIER.zip**

**Link : [www.soundvisionpro.com/download](http://www.soundvisionpro.com/download)**

## External Equipment Connecting Diagram

When connecting the speaker connector, please confirm the +, - polarity and the left (L) and right (R) channels, and do not connect the reverse cable. The speaker connector should be careful not to come off and come into contact with other terminals or the rear panel. In addition, please be careful not to contact the polarity of the speaker connector or the cable of the channel.



### About speaker impedance

If the high-power output for a long time is lower than the speaker (such as  $4\Omega$ ) of the rated impedance ( $6\Omega$ ,  $8\Omega$ ), the built-in protection circuit will automatically start. After the protection circuit is activated, please unplug the power cord, maintain good ventilation, and reconnect the power after reducing the temperature.

### In connecting the signal cable

When connecting the signal cable, after unplugging the power cord of the device, please note that the left channel (L: white) and rear channel (R: red) of the connection terminal may have some differences with the equipment. Please refer to the instruction manual of the product before connecting to make sure to connect correctly. If the left and right signal cables are reversed, the stereo effect will be reduced.

## Specifications

AMPLIFIER	DKA-500	DKA-900
Maximum output 4 Ω	380W+380W	680W+680W
Minimum RMS Output Power 8 Ω	250W+250W	450W+450W
Frequency response	MUSIC : 20 Hz to 30 kHz, ±1.5 dB MIC : 20 Hz to 20 kHz, ±1.5 dB	
Tone control characteristics	7 Band Parametric EQs 20Hz-20kH ±12dB For Music (*) 7 Band Parametric EQs 20Hz-20kH ±12dB For Microphone (*) 8 Mode DSP Music, Microphone, Effect 3 Mode Digital Auto Feedback Suppression (*)	
Sample Rate	48KHz / 32bit	
SNR	≥95dB	
Distortion	≤0.2	
Rated output power 8Ω 1KHz degree of separation	>70dB	
Damping factor f=1KHz 8Ω	>240	
Conversion speed	15V/us	
Protection	Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse, Thermal Cut	
Cooling system	Dual Fan	
Speaker impedance	4Ω / 8Ω (1 speaker per channel) 8Ω / 16Ω (2 speaker per channel)	
PORTS		
Input	DIGITAL AUDIO/VIDEO : 3HDMI + 1HDMI (ARC) DIGITAL AUDIO : 1 OPTICAL ANALOG AUDIO : RCA (L/R) : 1DVD , 1VOD MIC : 2 1/4" TS PHONE USB MEDIA PLAYER : USB PORT	
Output	DIGITAL AUDIO/VIDEO : 1HDMI/ARC ANALOG AUDIO : RCA CENTER OUT : 1 SUBWOOFER OUT : 1 REC OUT : 1 (L/R)	
Data Control	USB (B type)	
GENERAL		
Supply voltage	AC 220 ~ 230V, 50Hz	AC 220 ~ 230V, 50Hz
Power consumption (IEC)	700W	1000W
(Idling)	45W	60W
Dimensions (W x H x D)	440*120*320mm	440*120*320mm
Weight	11.5Kgs	12.5Kgs

\* Via software on PC

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## TRADEMARK AND LICENSES



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## SOUND VISION CO.,LTD

9 CHAIYAPHRUEK RD., TALING CHAN, TALING CHAN,  
BANGKOK 10170 THAILAND  
SUPPORT : 02-433-9988      LINE : @SOUNDVISION  
EMAIL : INFO@SOUNDVISION.CO.TH      WWW.SOUNDVISIONPRO.COM





