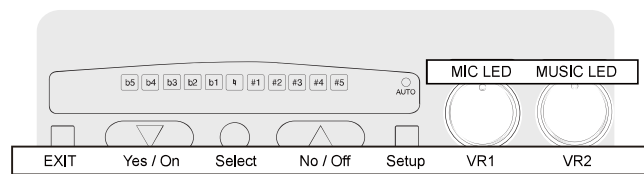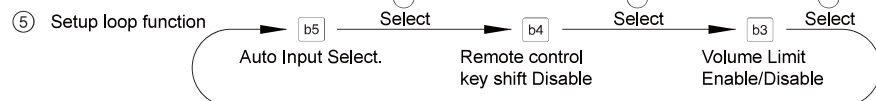## Operation Guide Setup Function

Entry Setup Function

① Power off
② [VR1] , [VR2] , ↙ turn to minimum, press and hold [Setup] buttom.
③ Power on. Wait 1Sec , and all LED will flashlight, Keep hold [Setup] buttom about 5 Sec.
④ Wait LED light and release [Setup] buttom.
⑤ Setup loop function

b5 → Select → b4 → Select → b3 → Select
Auto Input Select.   Remote control   Volume Limit
                      key shift Disable   Enable/Disable

⑥ [EXIT] , Exit setup mode

Auto Input Select :

b5 + AUTO   Auto input select : Enable .
b5 + AUTO   Auto input select : Disable .

Select button
▽ Enable   △ Disable

Remote Control Key Shift Disable :

b4 + #1   Key Shift Disable : On .
b4 + #2   Key Shift Disable : Off .

Select button
▽ On   △ Off

Volume Initial / Limited :

b3 + MIC + MUSIC   Volume Initial / Limit : Enable .
b3 + MIC + MUSIC   Volume Initial / Limit : Disable .

Select button
▽ On   △ Off

Volume Initial Enable :

b3 + #1 #2 #3 #4 #5 + MIC + MUSIC   Mic Volume Initial .
b3 + #1 #2 #3 #4 #5 + MIC + MUSIC   Mic Volume Limit .
b3 + #1 #2 #3 #4 #5 + MIC + MUSIC   Music Volume Initial .
b3 + #1 #2 #3 #4 #5 + MIC + MUSIC   Music Volume Limit .
b3 + #1 #2 #3 #4 #5 + MIC + MUSIC   Volume set Finish and Save.

Select button
Use Remote control set Volume
UP / DOWN   UP / DOWN

Feaures

- Power output 150W + 150W (8 ohms).
- Four line inputs & four video inputs.
- Recording OUTPUT terminal.
- Balanced microphone input, independently adjust the input volume.
- Microphone low/high frequency and adjust the resonance.
- Adopt YAMAHA DSP　　　　　high-end 3D key-control chip.
- Effector terminal digital multi echo.
- 3 Microphones availble simultaneously.
- Wireless remote controller.

Specification

Amplifier

Audio output power ....150W+150W(8Ω)

T.H.D (1 kHz ,-3dB, 8Ω) 0.05%

Audio input (sensitivity/impedance)
　MIC.. 1mv / 3.5k Ω
　DVD,AUX,TAPE........................260mv / 22k Ω
　BGM...................................260mv / 22k Ω

Audio output (level/impedance)
　PRE-OUT..2.5v / 1k Ω
　REC-OUT....................................250mV/470 Ω

Frequency response
　MIC...........................20Hz ~ 20kHz,-0.5 / -2dB
　MUSIC........................20Hz ~ 40kHz,+0 / -1dB

Tone control response
　MUSIC Tone　Bass.................±10dB(100Hz)
　　　　　　　　Treble...............±10dB(10kHz)
　MIC Tone　　Bass.................±10dB(100Hz)
　　　　　　　　Treble...............±10dB(10kHz)

Enhancer control
　　　　　　　　Low................... +8dB(100Hz)
　　　　　　　　High.................. +9dB(10kHz)

Key control range.................15 steps ± 2.5tones

Video input
(sensitivity/input impedance)...............1v$_{p-p}$ / 75 Ω

Video output
(output level/output impedance)..........1v$_{p-p}$ / 75 Ω

Power Supply / Others

Power supply..................AC ~ 110/120V 50-60Hz
　　　　　　　　　　　　　　AC ~ 220/240V 50-60Hz

Power consumption......................................450W

Dimensions (W x H x D)...........430 x 135 x 385 mm

Weight...11Kg

Accessories

User's menu...1

Wireless remote control unit (RC-8-2) 1

AAA (R03, UM-4) batteries................................2

Power supply cord...1

● Designed and specifications subject to change without notice
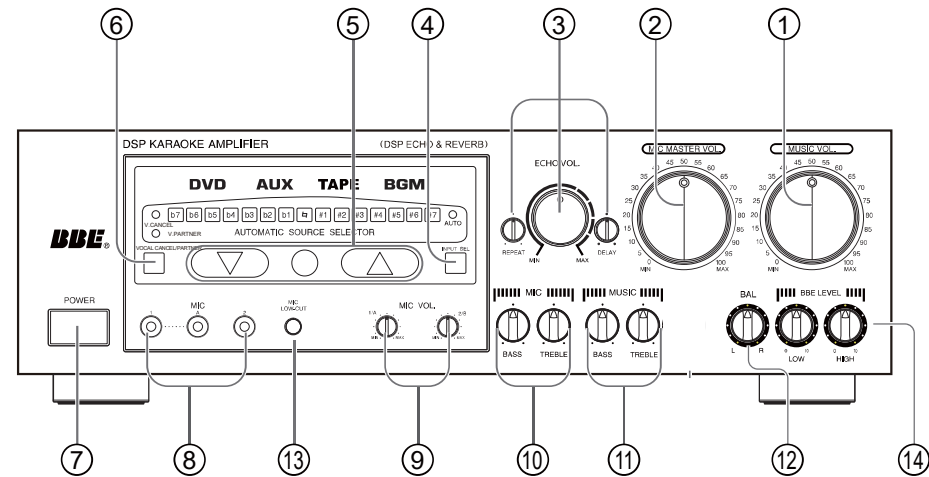
數位式迴音AV混音擴大機
KARAOKE AV AMPLIFIER

- Thank you very much for purchasing our KARAOKE AV Amplifiler.
- Please read through this User's Manual for proper operation of this model.
- After you have finished reading the menual, put them away in a safe place for future reference.

User's Manual

Operation Guide for Front Panel

① MUSIC VOLUME
This knob is used for adjusting the volume of music.

② MIC MASTER VOLUME
This knob is used for adjusting the volume of microphones. Turn right for increasing the volume, and left for decreasing.

③ ECHO VOLUME
This knob is used for adjusting echo effect. Turn right for boosting the effects, and left for cuttings.
DELAY Control : Adjust the delay time.
REPEAT Control : Adjust the interval of repetitions.

④ INPUT SELECT
The location of signal - to - input can be selected by this button. Press and hold the button for over 4Sec. to enable or disable the "AUTO INPUT SELECT" function.

⑤ KEY CONTROL
These buttons are used for adjusting the music scale. Each step is for 1/4 tone, and the middle button is for the original / standard key . After changing a song , or after the music has been terminated for more than 4 seconds, the system will automatically return to the original key.

⑥ VOCAL Select
PARTNER : Automatic vocal performance when there is no input to any of the MIC connected to the MIC jacks.
MULTI : Vocal accompaniment function.

⑦ POWER
Press this switch to turn the power ON/OFF.

⑧ MIC INPUT (1 , A , 2)
TRS 1/4" input jacks for mono or balacne microphone.

⑨ MIC VOL CONTROL (1/A , 2)
• 1/A : Adjusting the microphone input level of MIC 1 and MIC A.
• 2 : Adjusting the microphone input level of MIC 2.

⑩ MIC TONE BASS/TREBLE
Adjusts the microphone input by boosting low or high frequency, respectively.

⑪ MUSIC TONE BASS/TREBLE
Adjusts the music input by boosting low or high frequency, respectively.

⑫ BALANCE
Adjusts the balance between the right and left channel levels output from the speakers.
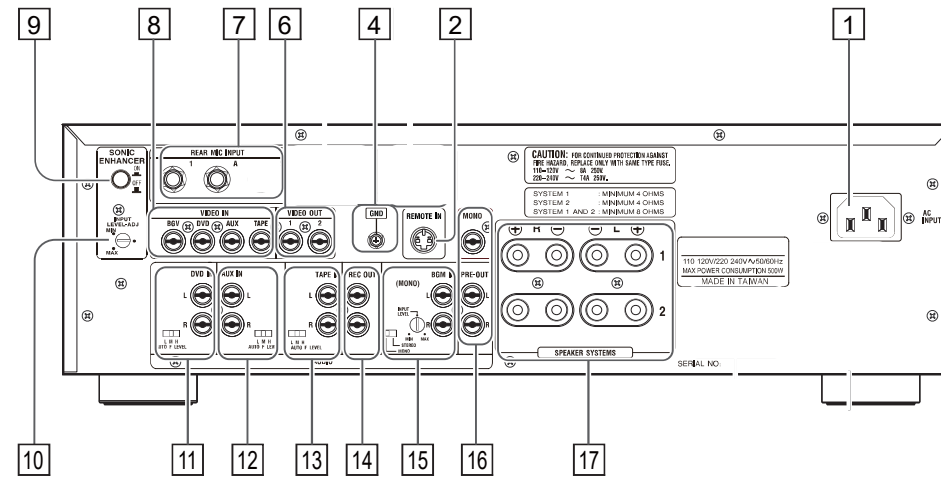
⑬ MIC Low-Cut Control
Switch the microphone input low frequency cut.

⑭ ENHANCER LEVEL ADJ.
Adjust the Enhancer Hi/Low-effect level. Turn right for boosting, and left for cutting.

Operation Guide for Rear Panel

1 AC POWER IN
To household power outlet.
* Wait until connections have been completed before connecting the power cord.

2 REMOTE Input Jack
Control device through an external device,such as an external IR sensor or an external control panel.

4 GROUND Terminal
The grounding wire shall be connected to a grounding line to reduce the risk of electric shock.

6 Video Output Jacks (1 , 2)
Connect to video devices such as a TV, projector, monitor, etc. The condition of the AMP can be easily observed through a video device.

7 REAR MIC Input Jacks (1 , A)
TRS 1/4" input jacks for mono or balacne microphone.

8 Video Input Jacks (DVD , AUX , TAPE , BGV)
Receive video input from other devices.
The received signal is output through an audio output jack according to the chosen channel.

9 ENHANCER Switch ON/OFF
ENHANCER music On/Off switch.

10 INPUT LEVEL-ADJ
Adjusts the music input level.

11 DVD Player Audio Input Jacks
Connect the audio output jacks of DVD player here.
* DVD SENSITIVITY Switch
This switch sets the sensitivity level at which the systems auto-selector detects a DVD signal and auto-changes it as the current input channel. Set to LOW if other channels do not auto-enable properly. Set to MIDDLE for standard use. Set to HIGH if unwarranted auto-selection change occur.

12 AUX Audio Input Jacks
Connect the audio output of auxiliary component such as a cable broadcasting tuner.
* AUX SENSITIVITY Switch
This switch sets the sensitivity level at which the systems auto-selector detects a AUX signal and auto-changes it as the current input channel. Set to LOW if other channels do not auto-enable properly. Set to MIDDLE for standard use. Set to HIGH if unwarranted auto-selection change occur.

13 TAPE Audio Input Jacks
Connect the audio output jacks of TAPE deck here.
* TAPE SENSITIVITY Switch
This switch sets the sensitivity level at which the systems auto-selector detects a TAPE signal and auto-changes it as the current input channel. Set to LOW if other channels do not auto-enable properly. Set to MIDDLE for standard use. Set to HIGH if unwarranted auto-selection change occur.

14 REC Audio Output Jacks
Connect to a recorder component such as a cassette deck to record the speaker output audio.

15 BGM Audio Input Jacks
Connect the input jacks of equipments for background music or public channels.

* BGM INPUT LEVEL Control
Adjust this control to optimize the BGM input level. Note: BGM volume control can only be adjusted here and cannot be adjusted by the master volume control.

* MONO/STEREO Switch
This switch selects the BGM mode's output to be either MONO or STEREO.

16 PRE-OUT
Connect the input jacks of the extension Power amplifier or the Mixer to these jacks.
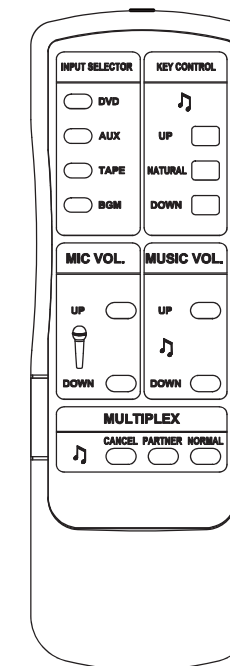
17 SPEAKER SYSTEMS
SPEAKER IMPEDANCE
System 1 : Minimum 4 Ohms.
System 2 : Minimum 4 Ohms.
System 1+2 : Minimum 8 Ohms.

Operation Guide for Remote Control

■ **INFRARED TRANSMIT**
Please don't cover this position.

■ **INPUT SELECT**
Selection/Switch of inputted audio signals

■ **KEY CONTROL**
UP : Press to transpose the key of music 1/4 tone UP per set.
NATURAL : Press to reset music to ORIGINAL key.
DOWN : Press to transpose the key of music 1/4 tone DOWN per set.

■ **MIC VOLUME**
Press to UP or DOWN the volume of the master microphone output.

■ **MUSIC VOLUME**
Press to UP or DOWN the volume of the master music output.

■ **MULTIPLEX**
NORMAL : General audio output and vocal performance.
PARTNER : Automatic vocal performance when there is no input to any of the MIC connected to the MIC jacks.
MULTI : Vocal accompaniment function.
* This function is available only when the audio and video source is of KARAOKE formate.