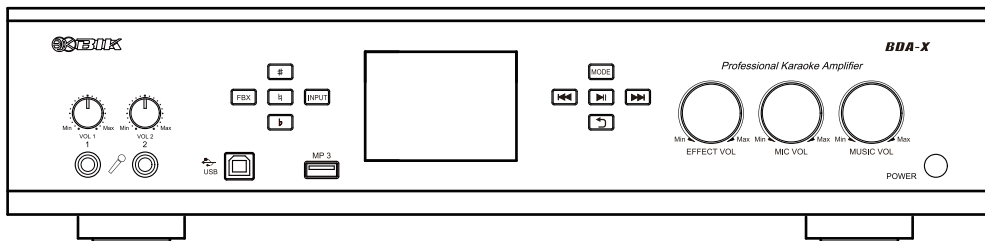




OWNER'S MANUAL

BDA-X31 **BDA-X33**

Professional Karaoke Amplifier



Thank you for purchasing our Professional Karaoke Amplifier.
Please read the owner's manual thoroughly prior to use.
Please keep the manual for future reference.

CONTENTS	CAUTION FOR SAFETY..... 2	HARDWARE OPERATION..... 4	ANY TROUBLES ?..... 9
	FUNCTION AND NAME 2	PC SOFTWARE OPERATION 6	SPECIFICATIONS 10
	HOW TO CONNECT..... 4		

CAUTION FOR SAFETY

This "Caution for safety" shows various kinds of pictures in order to be used safely and correctly and to prevent from damaging other people, and their property. Please read with full understanding, and carefulness.

⚠ WARNING	This shows: Using this product with disregarding cautions might call for death or injury.
⚠ CAUTION	This shows: Using this product with disregarding cautions might call for people to be harmed and goods to be damaged.

⚠ WARNING

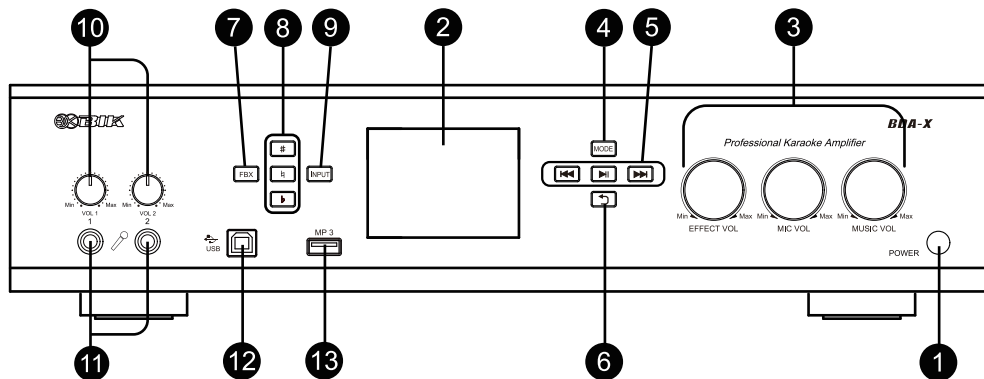
- Making use of this product under the circumstances that a smoke, an abnormal smell, an irregular sound coming out, it may cause a fire and an electric shock. In this case, switch off the product, and take AC plug out of the outlet right away. Bring it to the shop for repair.
- In case when water or foreign substances get into product, switch off right away, and take AC plug out of outlet, and consult with the repair shop, otherwise, it may cause a fire or an electric shock.
- Re-assembling this product is highly prohibited, otherwise, it may cause a fire or an electric shock.
- Do not take the cover out, otherwise, it may cause an electric shock. Inspection, repair should be done in the repair shop.
- This product can no way be used in the bathroom, otherwise, it may cause a fire, or an electric shock.
- Pay attention not for water to go into or get wet, or it may cause a fire or get an electric shock.
- This product can be used only with AC115V, otherwise it may cause a fire or get an electric shock.
- This product is not designed for built-in installation : do not place the product in an enclosed place such as a bookcase or rack.
- Be careful for AC plug, or outlet not to get dust or to get wet, or it may cause a fire.

⚠ CAUTION

- When this product is not used for a longer period, power supply plug should be taken out of outlet.
- In case the thunder is generated near-by, take power supply plug out of outlet right away, or it may cause a fire or an electric shock.
- If this product needs to be moved, switch off first, and then take power supply plug out, or it may damage cord, and may cause a fire or an electric shock.
- Do not put this product near cooking counter or damp supply outlet, or it may cause a fire or an electric shock.
- Do not put this product on unstable desk, it may damage or injury when dropped.
- Do not leave this product for a longer period such as in the cars where all windows are shut, or place where direct sunshine hits, or it may damage each part of this product, and may cause a fire.

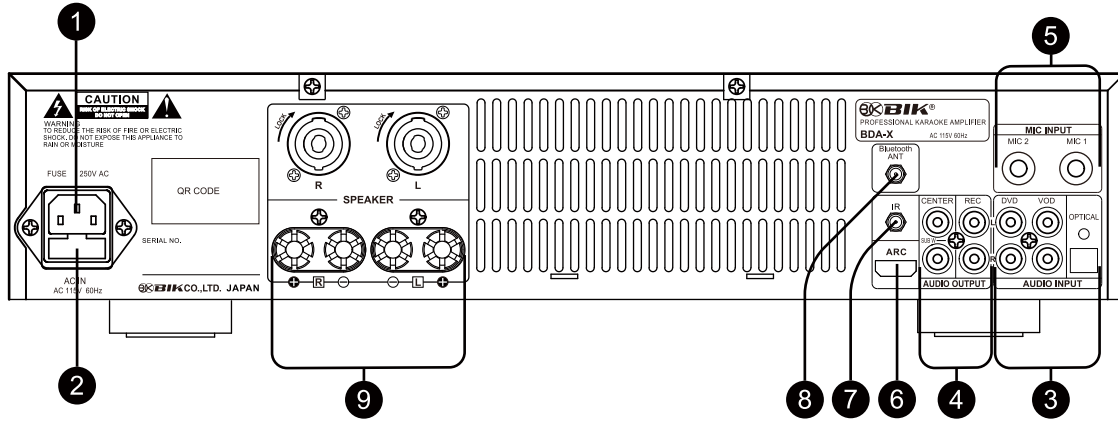
FUNCTION AND NAME

FRONT PANEL



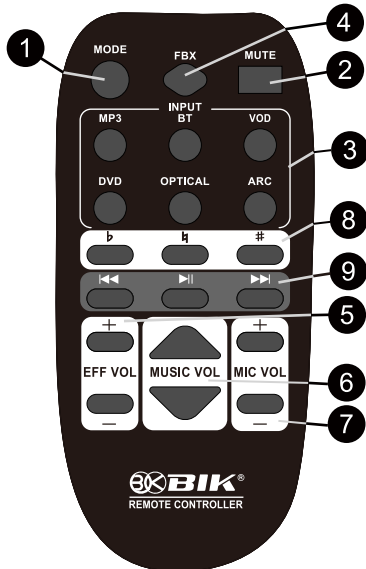
- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1 Power Switch
Push switch button-"On", and Re-push it and then "Off".</p> <p>2 Display</p> <p>3 Volume Switch
To adjust EFFECT and MIC, MUSIC Volume by turning. Press to switch to the detailed setting screen.</p> <p>4 MODE Switch
The mode can be changed by pressing once. Press and hold to save the current settings to the mode in use.</p> <p>5 REVERSE/PLAY/PAUSE/NEXT Button
Available in MP3.</p> <p>6 Return Button
Return to Main Screen.</p> | <p>7 FBX Button
To adjust Feed Back Canceller of MIC.</p> <p>8 Key Control Button
To adjust keycontrol of Music.</p> <p>9 Input Select Button
To select of music input souce.</p> <p>10 Microphone Volume
To adjust sound volume of MIC 1, MIC 2.</p> <p>11 Microphone Input
To Input 2 microphones (MIC 1, MIC 2).</p> <p>12 USB Port
Connected to a PC to adjust various settings .</p> <p>13 MP3 USB Port
To insert USB with MP3 audio.</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

REAR PANEL



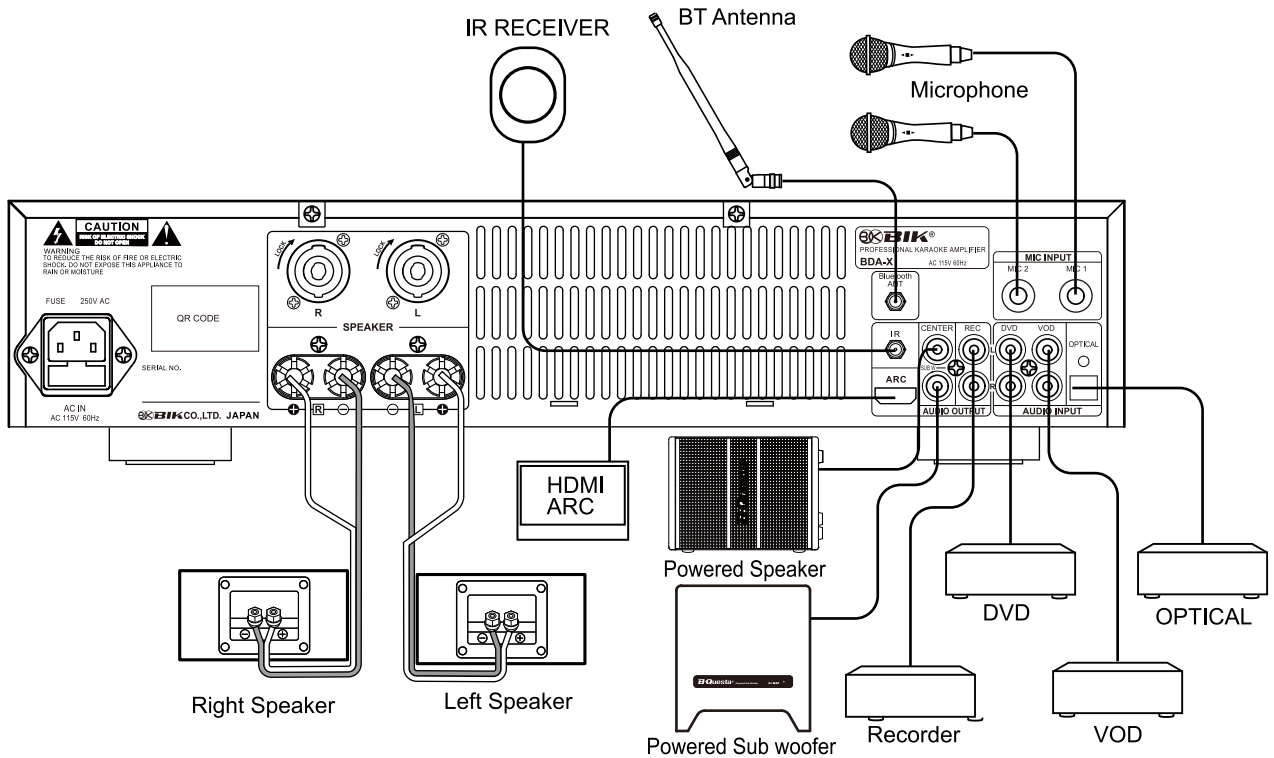
- 1 Power Cord Socket.**
Power input AC 115V / 60Hz.
- 2 FUSE Box**
- 3 Audio Input**
VOD, DVD and Optical input.
- 4 Audio Output**
REC, Center and Sub-woofer output. Sub-woofer output available for MP3 and ARC.
- 5 MIC Input**
To insert MIC 1 and 2.
- 6 HDMI ARC Output**
Connect with HDMI ARC device.
- 7 IR ANT**
Connect with IR Receiver.
- 8 Bluetooth ANT**
Connect with Bluetooth antenna.
- 9 Speaker Output**
Connect with speaker. (4 Ohms - 8 Ohms)

REMOTE CONTROLLER



- 1 MODE**
Can be change the MODE.
- 2 Mute Button**
- 3 Input Button**
Can be select the Input signals. MP3, BT, VOD, DVD, OPTICAL, ARC.
- 4 FBX Button**
To adjust Feed Back Canceller of MIC.
- 5 EFFECT Volume**
To adjust Effect volume.
- 6 MUSIC Volume**
To adjust Music volume.
- 7 MIC Volume**
To adjust MIC volume.
- 8 Key Control Button**
To adjust Music Interval tone Level.
b : To slow interval tone.
: To fast interval tone.
b : Back to original.
- 9 Playback button**
◀◀ : Reverse.
▶▶ : Playback
▶▶▶ : Fast forwarding.

HOW TO CONNECT



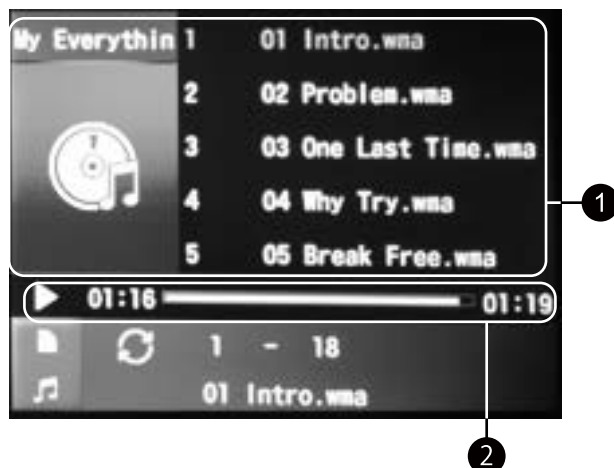
HARDWARE OPERATION

MAIN SCREEN INSTRUCTION



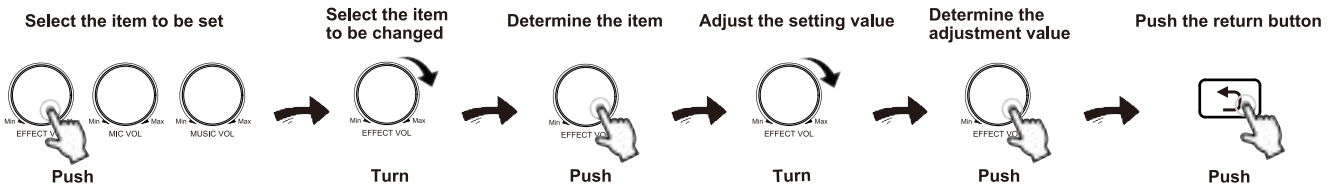
- ① VOLUME INDICATION
- ② INPUT INDICATION
- ③ MODE INDICATION
- ④ KEY CONTROL INDICATION
- ⑤ FBX INDICATION

USB INPUT (MP3) SCREEN INSTRUCTION



- ① Music Title List
The folder name and song name are displayed. Can be select the song to play with the up and down buttons.
- ② Timeline of the song

SETTING METHOD



EFFECT SETTING SCREEN

EFFECT SETTING	
ECHO LEVEL	100%
ECHO DIR LEVEL	50%
ECHO-A PRE DELAY	0ms
ECHO-A DELAY	218ms
ECHO-A REPEAT	55%

EFFECT SETTING	
ECHO-B PRE DELAY	0ms
ECHO-B DELAY	217ms
ECHO-B REPEAT	54%
ECHO R DELAY	0ms
REV LEVEL	100%

EFFECT SETTING	
REV DIR LEVEL	20%
REV PRE DELAY	0ms
REV TIME	2687ms

1 Set Value

- ECHO LEVEL : 0% ~ 100%
- ECHO DIR LEVEL : 0% ~ 100%
- ECHO-A PRE DELAY : 0ms ~ 200ms
- ECHO-A DELAY : 0ms ~ 500ms
- ECHO-A REPEAT : 0% ~ 90%
- ECHO-B PRE DELAY : 0ms ~ 200ms
- ECHO-B DELAY : 0ms ~ 500ms
- ECHO-B REPEAT : 0% ~ 90%
- ECHO R DELAY : 0ms ~ 250ms
- REV LEVEL : 0% ~ 100%
- REV DIR LEVEL : 0% ~ 100%
- REV PRE DELAY : 0ms ~ 200ms
- REV TIME : 0ms ~ 500ms

MIC SETTING SCREEN

MIC SETTING	
E01: 20.5Hz	0.0dB
E02: 31.9Hz	0.0dB
E03: 50.6Hz	0.0dB
E04: 80.3Hz	0.0dB
E05: 125Hz	0.0dB

MIC SETTING	
E06: 198Hz	0.0dB
E07: 315Hz	0.0dB
E08: 490Hz	0.0dB
E09: 721Hz	0.0dB
E010: 1240Hz	0.0dB

MIC SETTING	
E011: 1920Hz	0.0dB
E012: 3050Hz	0.0dB
E013: 5040Hz	0.0dB
E014: 7550Hz	0.0dB
E015: 12000Hz	0.0dB

1 MIC Equalizer Set Value

- 15 Band Equalizer GAIN : -24dB - +12dB

MUSIC SETTING SCREEN

MUSIC SETTING	
E01: 20.5Hz	0.0dB
E02: 31.9Hz	0.0dB
E03: 50.6Hz	0.0dB
E04: 80.3Hz	0.0dB
E05: 125Hz	0.0dB

MUSIC SETTING	
E06: 198Hz	0.0dB
E07: 315Hz	0.0dB
E08: 490Hz	0.0dB
E09: 721Hz	0.0dB
E010: 1240Hz	0.0dB

MUSIC SETTING	
E011: 1920Hz	0.0dB
E012: 3050Hz	0.0dB
E013: 5040Hz	0.0dB
E014: 7550Hz	0.0dB
E015: 12000Hz	0.0dB

1 MUSIC Equalizer Set Value

- 15 Band Equalizer GAIN : -24dB - +12dB

PC SOFTWARE OPERATION

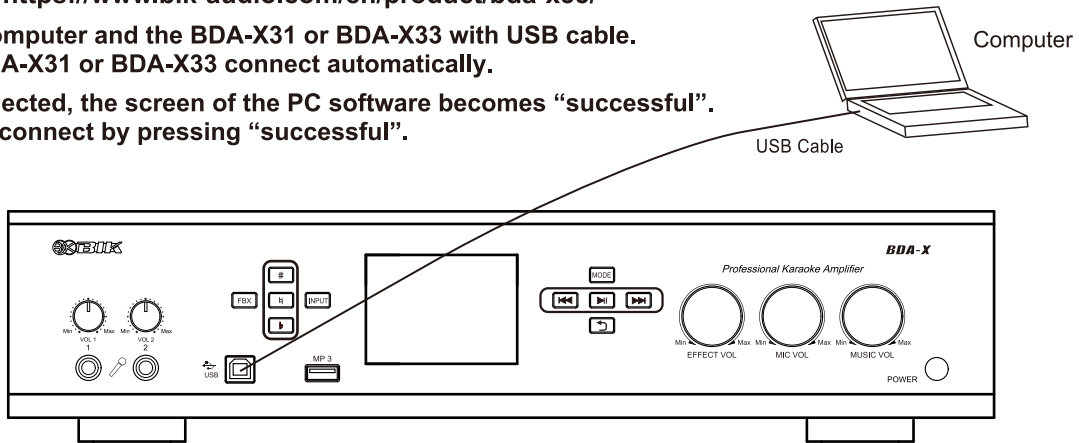
1. Please download “BDA-X31 / BDA-X33 PC SOFTWARE” from BIK home page.

※ URL: <https://www.bik-audio.com/en/product/bda-x31/>

※ URL: <https://www.bik-audio.com/en/product/bda-x33/>

2. Connect computer and the BDA-X31 or BDA-X33 with USB cable.
PC and BDA-X31 or BDA-X33 connect automatically.

3. When connected, the screen of the PC software becomes “successful”.
Can be disconnect by pressing “successful”.



MAIN SCREEN INSTRUCTION



1 PC Connect Indicator

Can be connect the PC with BDA-X31 or BDA-X33.
When connected, it will be displayed in green.

2 Main items Select

Can be adjust various settings of
the selected Main item menu.

3 Input Select

Select input from VOD, DVD, OPT, MP3, BT and ARC.
Automatic input selection function and Sing/Dance mode
switching are available.

4 Music, Mic and Effect Volume

Can be adjust Music, Mic and Effect volumes.
Can be mute by pressing the “speaker button”.

- Music : 0 - 84%
- Mic : 0 - 84%
- Effect : 0 - 84%

🔊 : unmute

🔇 : mute

5 Graphic Equalizer

Can be adjust visually HPF, LPF and GAIN, frequency
and “Q” of 7 band EQ.

- GAIN : -24dB - +12dB
- Frequency : 19.7Hz - 20600Hz
- Q : 0.4 - 128

6 Equalizer and various values Setting

- Equalizer : 7 band
Can be fine adjust GAIN, Frequency and “Q”.
- Music Vol : 0 - 100%
- Dir Vol : 0 - 100%
- Echo Vol : 0 - 100%
- Reverb Vol : 0 - 100%
- Left Delay : 0.0 - 20.0ms
- Right Delay : 0.0 - 20.0ms
- Threshold : -20 - 14dBu
- Attack : 0.5 - 90ms
- Release : Atk×2 - Atk×32ms
- Ratio : 1.0 - 100.0
- HPF Freq : OFF - 20600Hz
- LPF Freq : 19.7 - 20600Hz
- HPF Slope : Bessele, Butterworth, Link Riley
- LPF Slope : Bessele, Butterworth, Link Riley
- Left Mute : Mute or Unmute
- Right Mute : Mute or Unmute
- EQ Reset : Reset all EQ
- EQ Pass : Pass all EQ

CENTER SCREEN INSTRUCTION



1 Equalizer and various values Setting

- Equalizer : 7 band
- Music Vol : 0 - 100%
- Dir Vol : 0 - 100%
- Echo Vol : 0 - 100%
- Reverb Vol : 0 - 100%
- Threshold : -20 - 14dBu
- Attack : 0.5 - 90ms
- Release : Atk×2 - Atk×32ms
- Ratio : 1.0 - 100.0
- Delay : 0.0 - 20.0ms
- HPF Freq : OFF - 20600Hz
- LPF Freq : 19.7 - 20600Hz
- HPF Slope : Bessele, Butterworth, Link Riley
- LPF Slope : Bessele, Butterworth, Link Riley
- Mute : Mute or Unmute
- EQ Reset : Reset all EQ
- EQ Pass : Pass all EQ

2 Graphic Equalizer

Can be adjust visually HPF, LPF and GAIN, frequency and “Q” of 7 band EQ.

- GAIN : -24dB - +12dB
- Frequency : 10.5Hz - 20600Hz
- Q : 0.4 - 128

SUBWOOFER SCREEN INSTRUCTION



1 Equalizer and various values Setting

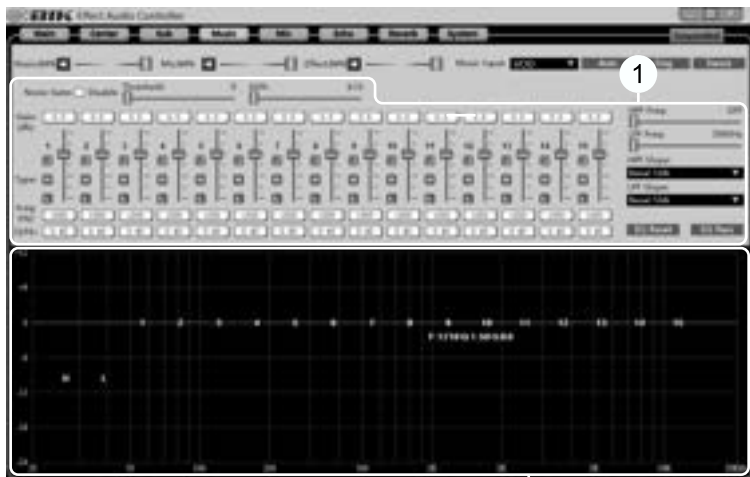
- Equalizer : 7 band
- Music Vol : 0 - 100%
- Dir Vol : 0 - 100%
- Echo Vol : 0 - 100%
- Reverb Vol : 0 - 100%
- Threshold : -20 - 14dBu
- Attack : 0.5 - 90ms
- Release : Atk×2 - Atk×32ms
- Ratio : 1.0 - 100.0
- Delay : 0.0 - 20.0ms
- HPF Freq : OFF - 20600Hz
- LPF Freq : 19.7 - 20600Hz
- HPF Slope : Bessele, Butterworth, Link Riley
- LPF Slope : Bessele, Butterworth, Link Riley
- Mute : Mute or Unmute
- EQ Reset : Reset all EQ
- EQ Pass : Pass all EQ

2 Graphic Equalizer

Can be adjust visually HPF, LPF and GAIN, frequency and “Q” of 7 band EQ.

- GAIN : -24dB - +12dB
- Frequency : 10.5Hz - 20600Hz
- Q : 0.4 - 128

MUSIC SCREEN INSTRUCTION



1 Equalizer and various values Setting

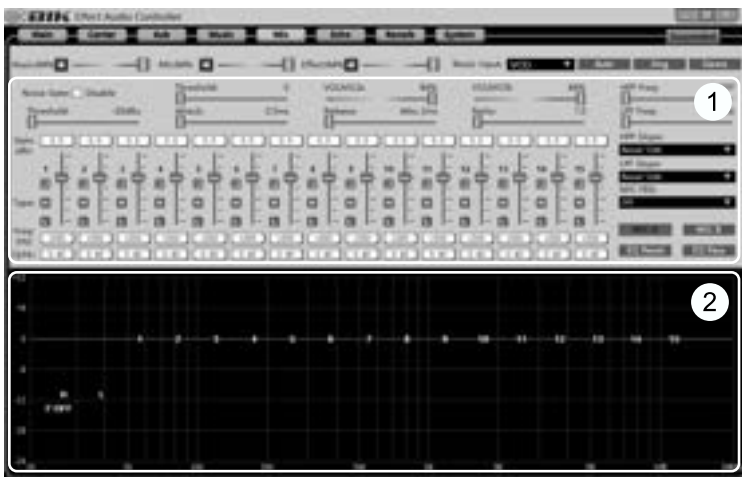
- Equalizer : 15 band
- Noise Gate : Disable or Enable
- Threshold : 0 - 20
- Shift : b10 - 0 - #10
- HPF Freq : OFF - 303Hz
- LPF Freq : 5990Hz - OFF
- HPF Slope : Bessele, Butterworth, Link Riley
- LPF Slope : Bessele, Butterworth, Link Riley
- EQ Reset : Reset all EQ
- EQ Pass : Pass all EQ

2 Graphic Equalizer

Can be adjust visually HPF, LPF and GAIN, frequency and “Q” of 15 band EQ.

- GAIN : -24dB - +12dB
- Frequency : 10.5Hz - 20600Hz
- Q : 0.4 - 128

MIC SCREEN INSTRUCTION



2 Graphic Equalizer

Can be adjust visually HPF, LPF and GAIN, frequency and "Q" of 15 band EQ.

- GAIN : -24dB - +12dB
- Frequency : 10.5Hz - 20600Hz
- Q : 0.4 - 128

1 Equalizer and various values Setting

- Equalizer : 15 band
- Noise Gate : Disable or Enable
- Noise Gate Threshold : 0 - 20
- VOL MIC A : 0 - 84%
- VOL MIC B : 0 - 84%
- Threshold : -20 - 14dBu
- Attack : 0.5 - 90ms
- Release : Atk×2 - Atk×32ms
- Ratio : 1.0 - 100.0
- HPF Freq : OFF - 303Hz
- LPF Freq : 5990Hz - OFF
- HPF Slope : Bessele, Butterworth, Link Riley
- LPF Slope : Bessele, Butterworth, Link Riley
- MIC FBX : OFF, 1, 2, 3
- MIC A / MIC B : Can be set up individually
- EQ Reset : Reset all EQ
- EQ Pass : Pass all EQ

ECHO SCREEN INSTRUCTION



2 Graphic Equalizer

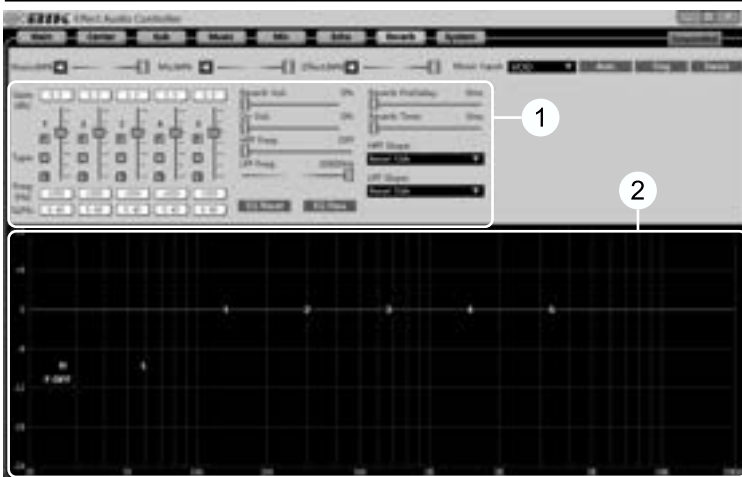
Can be adjust visually HPF, LPF and GAIN, frequency and "Q" of 5 band EQ.

- GAIN : -24dB - +12dB
- Frequency : 10.5Hz - 20600Hz
- Q : 0.4 - 128

1 Equalizer and various values Setting

- Equalizer : 5 band
- Echo Vol : 0 - 100%
- Dir Vol : 0 - 100%
- HPF Freq : OFF - 20600Hz
- LPF Freq : 19.7Hz - 20600
- HPF Slope : Bessele, Butterworth, Link Riley
- LPF Slope : Bessele, Butterworth, Link Riley
- Echo LPreDelay : 0 - 200ms
- Echo RDelay : 0 - 250ms
- Echo RPreDelay : 0 - 200ms
- Echo A Delay : 0 - 500ms
- Echo A Repeat : 0 - 90%
- Echo B Delay : 0 - 500ms
- Echo B Repeat : 0 - 90%
- EQ Reset : Reset all EQ
- EQ Pass : Pass all EQ

REVERB SCREEN INSTRUCTION



1 Equalizer and various values Setting

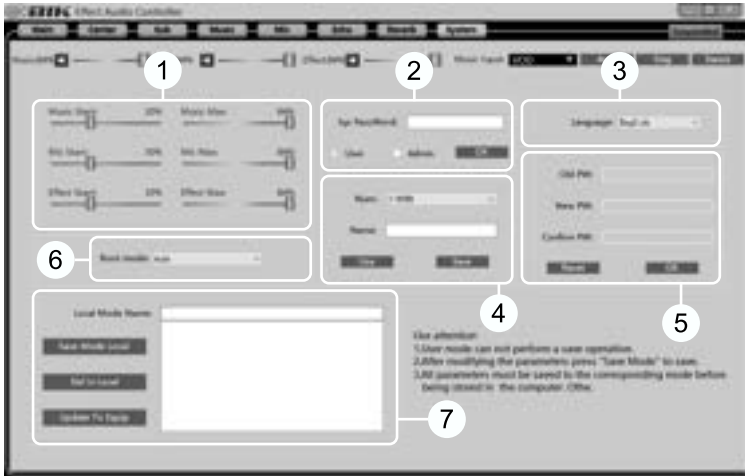
- Equalizer : 5 band
- Reverb Vol : 0 - 100%
- Dir Vol : 0 - 100%
- HPF Freq : OFF - 20600Hz
- LPF Freq : 19.7Hz - 20600
- HPF Slope : Bessele, Butterworth, Link Riley
- LPF Slope : Bessele, Butterworth, Link Riley
- Reverb PreDelay : 0 - 200ms
- Reverb Time : 0 - 5000ms
- EQ Reset : Reset all EQ
- EQ Pass : Pass all EQ

2 Graphic Equalizer

Can be adjust visually HPF, LPF and GAIN, frequency and "Q" of 5 band EQ.

- GAIN : -24dB - +12dB
- Frequency : 10.5Hz - 20600Hz
- Q : 0.4 - 128

SYSTEM SCREEN INSTRUCTION



1 MAX AND INITIAL VOLUME SETTING
Can be set max volume and initial volume.

- Music Start : 0 - 84%
- Mic Start : 0 - 84%
- Effect Start : 0 - 84%
- Music Max : 0 - 84%
- Mic Max : 0 - 84%
- Effect Max : 0 - 84%

2 Sys PassWord
Can be enter the password“123456” and log in with administrator privileges. The administrator can lock each setting value so that it cannot be changed.

3 Language
Can be choose English or Chinese.

4 Hardware Memory
Each setting can be saved in hardware memory and the saved value can be recalled.
Can be change the name freely.

5 Change Password
Can be set a new password. Enter current password first, then enter new password.

6 Boot mode
Select which setting mode to operate in when activated.

7 PC Memory
Each setting can be saved in PC memory and the saved value can be recalled.
Can be change the name freely and save it in any folder. The filename extension is “.jib”.

- Save Mode Local : Save to PC with the Original name.
- Del In Local : Delete the file with that name from PC.
- Update To Equip : Copy the settings saved on PC Memory to hardware Memory.

ANY TROUBLES?

Any troubles? please check the followings. Your careless mistakes may cause troubles.
Consult with your dealers in case any troubles can not be solved after checking the followings.

Trouble	Cause	Remedy
Can not power ON .	<ul style="list-style-type: none"> ● The power cord is not connected. 	<ul style="list-style-type: none"> ● Connect the power cord to AC outlet.
Power ON, but no sound.	<ul style="list-style-type: none"> ● Music volume control or Mic. volume control may be set to minimum position. ● Music signal choice is incorrect. ● The output cords is not connected correctly. ● The power amplifier switch is not ON. 	<ul style="list-style-type: none"> ● Adjust for proper sound position. ● Choose correct music signal input. ● Connect the output cord correctly. ● Turn ON the power amplifier.
No sound at beginning of the music when switched ON.	<ul style="list-style-type: none"> ● Output level of audio component is set to minimum. 	<ul style="list-style-type: none"> ● Adjust it to suitable position.
No microphone sound but playback the music sound.	<ul style="list-style-type: none"> ● Microphone switch is to "OFF". ● The microphone cord broken. ● Microphone plug is not connected. 	<ul style="list-style-type: none"> ● Set it to "ON". ● Repair or replace it. ● Connect it correctly.
Without echo.	<ul style="list-style-type: none"> ● Echo volume is minimum. 	<ul style="list-style-type: none"> ● Adjust the Echo volume.
No sound and no video at a HDMI ARC connection.	<ul style="list-style-type: none"> ● A connection of a HDMI cord is loose. ● The HDMI cord broken. 	<ul style="list-style-type: none"> ● Connect it correctly once again. ● Change HDMI cord to new ones.
Noize out of microphone	<ul style="list-style-type: none"> ● Receiver volume is set “ Minimum ” position? ● Obstacle wave is disturbing? 	<ul style="list-style-type: none"> ● Turn up Receiver volume. ● Set another channel.

SPECIFICATIONS

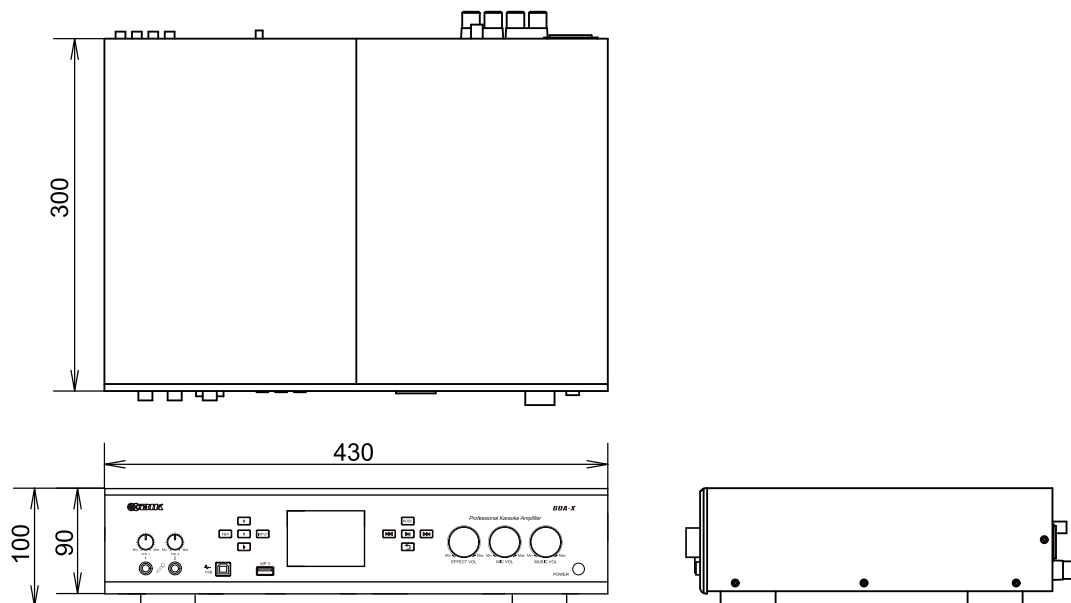
BDA-X31

Max output power	230W + 230W /8Ω 350W + 350W /4Ω
Total Harmonic Distortion	0.5% (max)
S/N Ratio	87dB
Speaker Impedance	4 - 8Ω
Audio Input	
VOD, DVD	220mV
Optical, Bluetooth	
MIC Input	
MIC-1, MIC-2	15mV
REC Output	1.6V
Center Output	1.6V
Sub woofer Output	1.6V
Frequency response	
Microphone	20Hz - 20KHz±3dB
Music.....	20Hz - 20KHz±3dB
Equalizer	
Music	15 band
MIC	15 band
Center	7 band
Subwoofer	7 band
Echo	5 band
Reverb	5 band
Key Control	±10 pitch
HDMI ARC	1 port
USB Input	1 port
Power supply, Others	
Power Voltage	AC115V / 60Hz
Power consumption	300W
Dimensions (W X H X D)	430 X 100X 300 mm
Weight	8.5 Kg
Accessories	
Owner's manual	1
Power Cable	1
IR Receiver	1
Bluetooth Antenna	1
Remote Controller	1

BDA-X33

Max output power	400W + 400W /8Ω 500W + 500W /4Ω
Total Harmonic Distortion	0.5% (max)
S/N Ratio	87dB
Speaker Impedance	4 - 8Ω
Audio Input	
VOD, DVD	300mV
Optical, Bluetooth	
MIC Input	
MIC-1, MIC-2	20mV
REC Output	1.6V
Center Output	1.6V
Sub woofer Output	1.6V
Frequency response	
Microphone	20Hz - 20KHz±3dB
Music.....	20Hz - 20KHz±3dB
Equalizer	
Music	15 band
MIC	15 band
Center	7 band
Subwoofer	7 band
Echo	5 band
Reverb	5 band
Key Control	±10 pitch
HDMI ARC	1 port
USB Input	1 port
Power supply, Others	
Power Voltage	AC115V / 60Hz
Power consumption	700W
Dimensions (W X H X D)	430 X 100X 300 mm
Weight	10.0 Kg
Accessories	
Owner's manual	1
Power Cable	1
IR Receiver	1
Bluetooth Antenna	1
Remote Controller	1

- Design and specifications subject to change without notice.





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