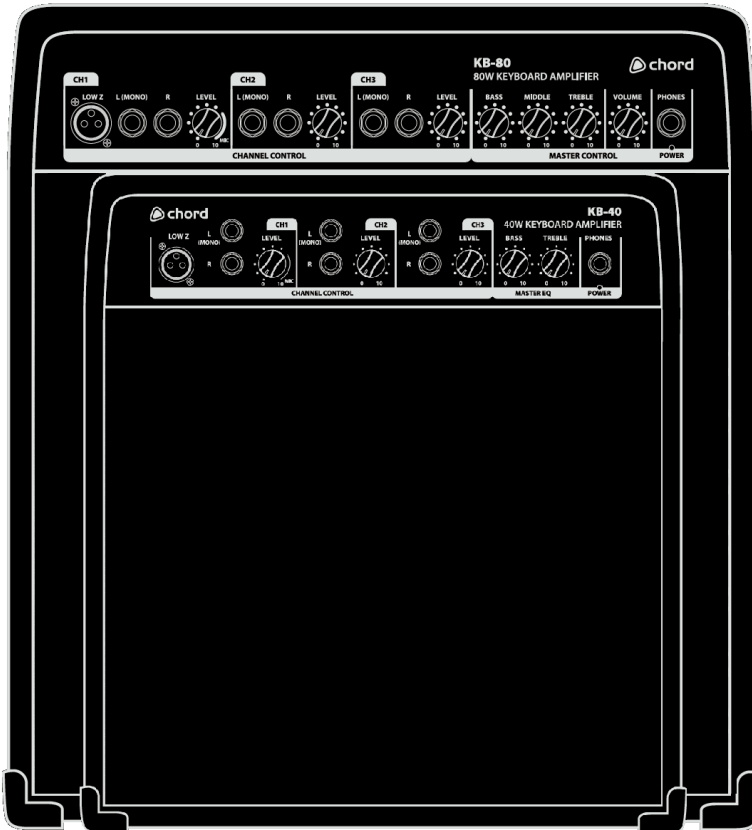# KB-Series

Keyboard Amplifiers

Item ref: 173.450UK, 173.451UK

User Manual

Introduction

Thank you for choosing this KB-series keyboard amplifier.

These amplifiers are designed for use with up to 3 keyboards and deliver a high quality full range output to the listener.

Channel 1 can act as a microphone input, turning this unit into a versatile compact P.A.

Warning

To prevent the risk of fire or electric shock, do not expose this appliance to rain or moisture.

To prevent electric shock do not remove the cover.

No user serviceable parts inside. Refer servicing to qualified service personnel.

Safety

Prior to connecting mains, ensure that the supply voltage is correct and the mains lead is in good condition.

Avoid ingress of water or particles into the enclosure.

If the mains fuse blows, refer the unit to qualified service personnel

Placement

Keep the unit out of direct sunlight and away from heat sources.

Place the unit in an upright position during use and storage.

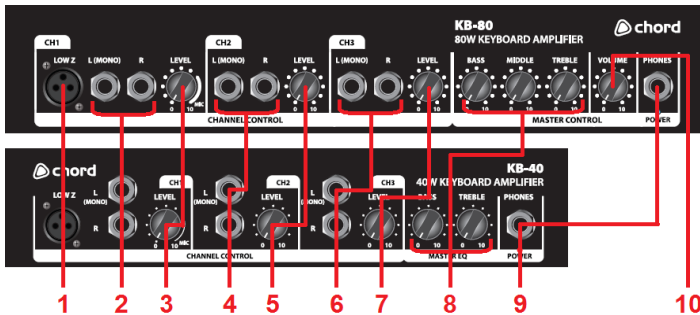Keep the unit away from moisture or dusty environments.

Cleaning

Use a soft cloth with a neutral detergent to clean the cabinet, panel and controls. To avoid damage, do not use solvents to clean
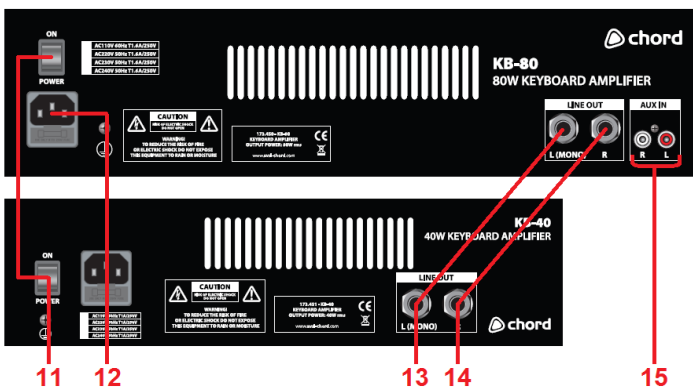this equipment.

Specifications

	KB-80	**KB-40**
Power supply	220-240Vac 50Hz (IEC)	
Inputs	1 x Mic or stereo line, 2 x stereo line	
AUX input	L+R RCA	N/A
EQ controls	Bass, Middle, Treble	Bass, Treble
Outputs	L+R line output, Headphones out	
Power: RMS	80W	40W
Speaker drivers	300mm + 75mm tweeter	200mm + 65mm tweeter
Dimensions	470 x 525 x 340 mm	395 x 395 x 300mm
Weight	23.0kg	12.0kg

Front Panel

1. CH1 LOW Z Input – XLR input suitable for low impedance microphone
2. CH1 line inputs – L (mono) & R 6.3mm jack inputs for keyboards or other line source
3. CH1 LEVEL – Rotary control for channel 1 output level
4. CH2 line inputs – L (mono) & R 6.3mm jack inputs for keyboards or other line source
5. CH2 LEVEL – Rotary control for channel 2 output level
6. CH3 line inputs – L (mono) & R 6.3mm jack inputs for keyboards or other line source
7. CH3 LEVEL – Rotary control for channel 3 output level
8. BASS, MIDDLE (KB-80), TREBLE – Global EQ for tone shaping
9. PHONES – 6.3mm headphone output
10. VOLUME – Master output level control

Rear Panel

11. POWER – Mains On/Off rocker switch
12. IEC – Mains inlet
13. Left or Mono 6.3mm line output
14. Right 6.3mm line output
15. L+R RCA Aux input (KB-80)

Operation

Connect the IEC inlet on the KB-80 to the mains using the appropriate IEC lead, ensuring correct voltage and current rating
If a microphone is to be used, connect this to channel 1 via the XLR connector or the L/MONO jack input.
If no microphone is used, channel 1 can be employed as a keyboard input
Connect up to 3 keyboards via the line input jacks on channels 1 to 3
For stereo keyboards, connect the left and right outputs to the L/MONO and R jack inputs
For mono keyboards, just use the L/MONO jack inputs
If required, connect headphones to the PHONES output (6.3mm stereo jack)
On the KB-80, a playback or auxiliary line source maybe connected via the rear RCA inputs
The rear LINE OUT jacks may be used to connect the mix output to a PA system.
Set BASS, MIDDLE (KB-80) and TREBLE EQ controls to halfway (12 o'clock position)
With master VOLUME (KB-80) and channel volumes turned fully down, switch the power on
If a playback source is connected to the KB-80 RCA inputs, ensure it is set to "PLAY"
Gradually increase the master VOLUME until the required level is reached for AUX input.
Gradually increase channel LEVEL(s) whilst playing the keyboard(s) or using the microphone
Check levels until the required volumes are achieved
Adjust EQ controls to the desired amounts (BASS, MIDDLE and TREBLE frequencies)
If higher master VOLUME is required, it may be necessary to reduce the signal level fed to the AUX input on the KB-80
After use, turn the master and channel volume controls fully down before powering off.

Troubleshooting

No output and no Power light	Check POWER switch is on and mains lead is connected properly
	Check mains fuse hasn't blown
Power LED is lit but no Output	Check that Master VOLUME and Channel LEVEL controls are not turned down fully
	Check that headphones are not left plugged in
	Change jack lead to check if faulty (also RCA lead for AUX input)
	Check that all EQ controls are not turned fully down
Output too distorted	Check that high impedance line input is not fed via XLR
	Reduce volume on keyboard
	Reduce Channel LEVEL controls and Master VOLUME control
	Reduce EQ controls if turned up above halfway
Output very quiet	Check output volume on keyboard(s) and increase if necessary
	Ensure low impedance inputs (e.g. microphone) are not fed to jack line inputs
	Increase master VOLUME and/or channel LEVEL controls
	Check that all EQ controls are not turned down