

Atomic[®] PRO

Kira K8 Active Speaker



Kira K8 Instruction Manual



CAUTION - ATTENTION - VORSICHT

RISK OF ELECTRIC SHOCK- DO NOT OPEN
RISQUE D'ELECTROCUTION - NE PAS OUVRIR
STROMSCHLAGGEFAHR - NICHT OFFNEN



In Compliance with the following directives: RoHS Directive (2002/95/EU) and
WEEE directive (2002/96/EU)
If this product is no longer functional or reached the end of its usable life, please
take it to an approved recycling plant.



Instruction Manual Kira K8

Dear Customer,

Thank you for purchasing this Kira K8 active speaker. With decades of experience in design and production, Atomic is one of the leading manufacturers of professional audio equipment.

This unit has been designed and manufactured to the highest of standards so you can be assured you have made a good investment.

For your safety and to ensure you make full use of all the features, please make sure you read this manual in full.

Product Description:

A very powerful column line array. It can deliver a massive 1500 watt of RMS power. Ideally suited to be used with Atomic Kira K18 subwoofer to provide part of a big PA system. The Kira K8 has four 8" drivers and a 1" compression horn. It has a 1500-watt inbuilt Class D amplifier. There are five selectable DSP settings to cater for different applications.

Safety Advice:

- Read this manual in full before operating this product.
- Keep this manual in a safe place for future reference.
- Heed all warnings and instructions, both in this manual and on the product.
- Carry and transport this product with care. Dropping this product may result in serious mechanical failure.
- The manufacturer accepts no responsibility for injury or damage caused as a result of not following the manual provided.
- Turn off this active speaker when not in use.
- This speaker is not waterproof and should not be used outside or in wet conditions.
- In the event of any liquid entering the housing, unplug immediately & contact a qualified engineer.
- Do not attempt to modify this unit.
- Always install the unit in a suitable location where no injury can occur from the speaker falling. When mounting this speaker directly to the K18 sub-woofers, always use all the supplied fixings to securely fit the Kira K8 on top of the Kira K18 subwoofer.
- Check this unit matches the mains voltage and frequency before plugging it in to your mains socket.
- Should you experience any malfunction or damage to the mains cable, disconnect from the mains supply immediately and consult a qualified engineer or replace the cable with a new one.
- All parts should be replaced with genuine spare parts and repairs carried out by a qualified engineer.
- Do not place near sources of heat or ignition.
- Check your AC wall socket will take the power you are applying to avoid overloading the mains supply.
- No naked flame i.e. candle should be placed on top of this appliance

Protection from Electric Shock:

- Only connect this unit to a mains socket with suitable trip and RCD protection.
- To disconnect from the mains socket, always remove by the mains plug or IEC connector. Do not attempt to remove by pulling the mains cable.
- Disconnect the unit from the mains supply before cleaning. Cleaning should be carried out with a soft, dry cloth.
- Do not expose this unit to any liquids.
- Do not operate near exposed water or in high humidity.
- Choose a suitable route for mains cables and audio cables, ensuring trip hazards are avoided and any cables

are not at risk of being crushed.

- Do not open this unit to service. There are no user serviceable parts inside. Any servicing or repairs should be carried out by a qualified engineer only. Any attempt to service or adapt this unit will leave your warranty void and could result in serious malfunction or injury.
- When the power switch is off, this unit is not completely disconnected from the mains.

Contents & Unpacking:

Before beginning your initial setup check the unit has not been damaged in transit. In the event there is damage to the housing, cable or internal components contact your dealer immediately.

- Kira K8 Colum Line Array
- User Manual
- Power Lead
- Subwoofer Fixing Kit

Specification

Model	K8
Power Watts RMS	1500
Response	55Hz-20KHz
Bass Driver	8" x4/ 2" Voice Coil
High Driver	1.75" Voice Coil
Amplifier Class	D
SPL	125dB / 138dB(Peak)
Dimensions	260 x 330 x 1120mm
Weight	30.5 Kg

This unit is radio interference suppressed. This appliance meets the requirements of the current European and national guidelines. Conformity has been established and the relevant statements and documents have been deposited by the manufacturer.

Features Include:

- 1500 Watt Class D amplifier
- Two Channel Mixer Section
- 18mm Birch Plywood
- Custom Designed 8" Drivers
- 5 Mode DSP
- Balanced XLR/Jack Combi Input Connections
- XLR Link Output



Functions Back Panel

1 Power LED: This lights when there is power to the cabinet and the speaker is turned on.

2 Signal LED: This lights when a signal is detected into inputs 1 and 2.

3 Limiter LED: This lights up if distortion is detected. It is best to reduce your volumes if this LED stays illuminated.

4 Front LED Switch: Turns the front power LED on and off.

5 Volume 1: Controls the input level of input socket one.

6 Volume 2: Controls the input level of input socket two.

7 MIC/LINE Switch: Use the MIC switch, pressed, when a microphone is connected. Use the LINE depressed when connected to a mixer or line level source.

8 MIC/LINE Switch: Use the MIC switch, pressed, when a microphone is connected. Use the LINE depressed when connected to a mixer or line level source.

9 Microphone or line level inputs: Use either an XLR connection or a ¼ inch jack. The input can receive balanced or unbalanced signals.

10 IN2/MIX Switch: When pressed MIX is selected. The output XLR will receive a mixed signal of inputs 1 and 2.

When depressed IN2, the output XLR receives a signal from input 2 only. This is useful for true stereo imagery. A stereo signal is connected, left to input 1

and right to input 2. Then the signal from input 2 can be sent to another speaker via the XLR output.

11 XLR Output socket: A balanced signal can be sent from here to connect to similar active speakers or active subwoofers.

12 DSP Mode:

Press the button to move through the 5 different DSP pre-sets

Main: The frequency response is unchanged, so whatever is input to the speaker, is then reproduced from the speaker drivers.

Music: Adds some extra dynamics to the bass and treble. Perfect for music that has a strong sense of rhythm.

80Hz Hp: High pass filter for when the K8 is being used with a subwoofer. Everything below 80Hz is cut out.

Speech: Use this mode when the speaker is being used for spoken word or speech. The frequencies associated with speech are boosted whilst the frequencies that are not associated with speech are lowered.

Monitor: Used if the K8 is being used as a monitor for vocalists.

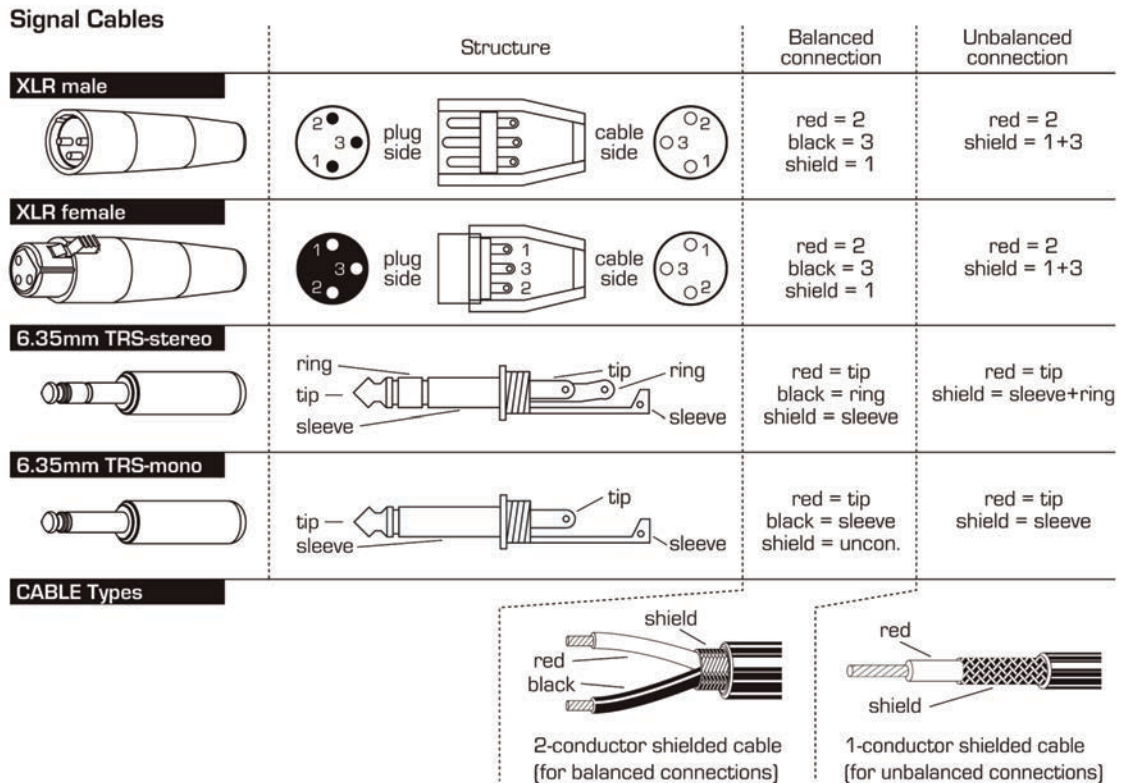
12 ON/OFF Switch: Used to turn the active speaker on and off.

13 Mains Inlet: Used to connect power lead. IEC type, use the correct thickness cable and fuse.

14. Fuse Holder: Replace once with the correct size. If the fuse blows again consult where you purchased the active speaker from or a qualified engineer.

Input Connections

Always use a good quality screened cable. Make sure soldering has been done correctly, bad solder joints can cause damage or intermittent faults to occur. Try to always use a balanced connection, if this is not possible try to keep unbalanced cables as short as possible. See the connector wiring chart below when wiring connectors.



Powering Up For The First Time

- Turn down all volumes.
- Switch on your audio devices ie tablet, CD player, tuner, PC.
- Switch on your mixer.
- Switch on any processors between mixer and active speaker.
- Switch on the active speaker.
- Turn up slightly the audio source volume, then mixer volume, then processor volume.
- Turn up the active speaker volume slowly.
- Make any adjustments to the volume settings.
- Do the reverse of this when powering down.

It is best to turn the active speakers volumes up to max or almost maximum, when using a separate mixer, or any device with volume controls. If connecting devices straight to the active speaker, use the active speaker volumes. Remember to try and avoid distortion and do not over drive any of the equipment. Always try and keep mixer gains as low as possible and do not turn the input gain on a mixer down and then turn the main master output to maximum to achieve the correct levels, as you may also be amplifying unwanted signal noise.

Wiring Examples/Mounting Options 1:

Use this arrangement for big front of house or Event PA. Set the buttons and connect the speakers as indicated, connect both sides in the same way and link off to the mixer.

Set DSP: 80 Hz

Release For Line

Set DSP: 80 Hz

Push For Mix

From Mixer

Set Frequency: 80-100 Hz

Set Frequency: 80-100 Hz

Make sure the speaker interconnecting plates are securely fitted, this is essential for safety reasons.

Wiring Examples/Mounting Options 2:

Use this arrangement for front of house in large halls or event areas. Set the buttons and connect the speakers as indicated, connect both sides in the same way and link off to the mixer.

