

Atomic<sup>®</sup> PRO

# Kira K18 Active Subwoofer



## Kira K18 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 K18

Dear Customer,

Thank you for purchasing this Atomic Kira K18 active subwoofer. 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 active subwoofer delivering a massive 1800 watts of RMS power. The Kira K18 has a bespoke 18" driver and inbuilt 1800-watt Class D amplifier. The internal electronic crossover and a phase reverse switch, make this a completely self-contained subwoofer cabinet. It is ideally suited to work with the Kira K8 Cabinets, but will be very effective as part of most large PA systems.

## **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 subwoofer directly to the Kira K8 cabinets, 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 K18 Active Subwoofer
- User Manual
- Power Lead

**Specification**

<b>Model</b>	<b>K18</b>
<b>Power Watts RMS</b>	<b>1800</b>
<b>Response</b>	<b>30Hz-150Hz</b>
<b>Bass Driver</b>	<b>18" / 4"Voice Coil</b>
<b>Amplifier Class</b>	<b>D</b>
<b>SPL</b>	<b>129dB / 136dB(Peak)</b>
<b>Dimensions</b>	<b>520 x 600 x 565mm</b>
<b>Weight</b>	<b>35 Kg</b>

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:**

- 1800 Watt Class D amplifier
- Stereo Input
- 18mm Birch Plywood
- Custom Designed 18" Drivers
- Low Pass Filter with Frequency adjustment
- Balanced XLR/Jack Combi Input Connections
- XLR Link Outputs

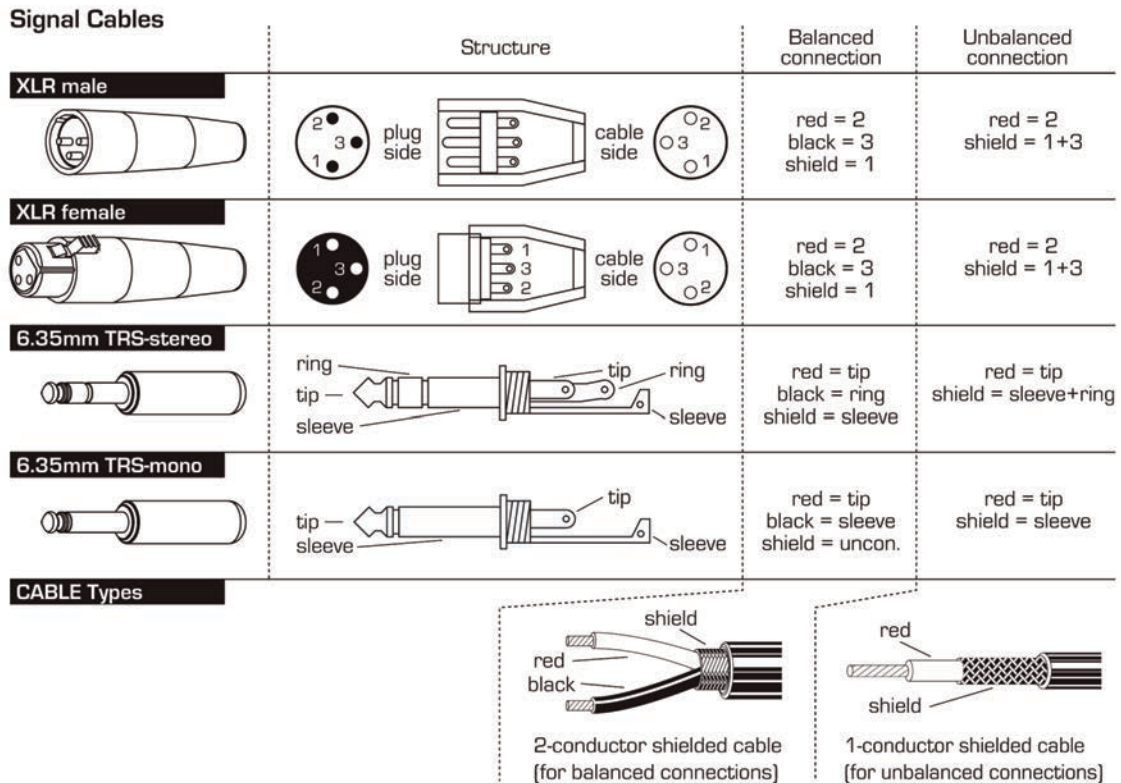


## Functions Back Panel

- 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:** Controls the input level of input socket left and right.
- 6 **Frequency Control:** Low pass filter adjustable between 80-150Hz.
- 7 **Input Right and Left:** Used to connect a left and right signal, the sum of these get output. Use only with line level signals. The user can just use one input if required.
- 8 **Left and right Thru Sockets:** Used to connect to other active speakers, right connects to input right and left connects to left input.
- 9 **Normal/Inverted Switch:** Used to invert the input signal. Can improve sound quality in certain circumstances.
- 10 **Power Switch:** Turns the speaker on and off.
- 11 **Power Inlet:** Used for and IEC power cable.

## 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.

