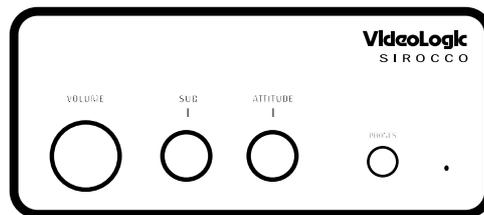
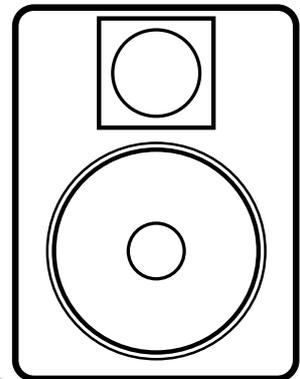
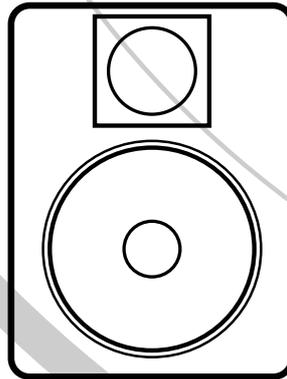
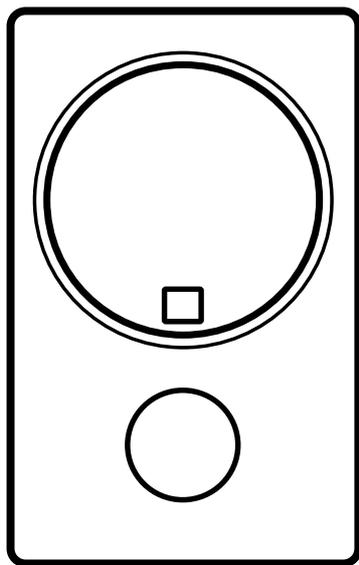


S I R O C C O

Studio Quality Speaker System



VideoLogic

Note for UK users

The mains plug is a standard 13 amp type (BS.1363) fitted with a 3 amp fuse. When changing or examining the fuse, fit the correct 3 amp type - ASTA or BSI approved (BS.1362).

The 13 amp plug is the most widely used in the UK and should be suitable for most users.

Some locations may not be equipped with normal 13 amp sockets. In such cases it is recommended that you use a suitable plug adaptor rather than remove the plug.

If you decide to change the plug, refer to the section below.

Important

The wires in the mains lead are coloured as follows:

- Green-and-yellow: earth
- Blue: neutral
- Brown: live

WARNING: THIS APPARATUS MUST BE EARTHED.

As the colours of the wires in the mains lead may not correspond with the markings on your plug's terminals, proceed as follows:

- Blue wire to the terminal coloured blue or black, or marked with the letter N.
- Brown wire to the terminal coloured brown or red, or marked with the letter L.
- Green and yellow wire to the terminal coloured green or green and yellow, or marked with the letter E or the earth symbol \perp .

When replacing the fuse in the supplied moulded mains plug, always refit the integral fuse holder/cover. Always fit a 3 amp fuse either in the plug or adaptor, or at the distribution board.

If the supplied mains plug is not suitable for your mains socket, remove its fuse and cut the plug off the lead. Destroy the severed plug immediately to avoid the potential shock hazard if this were plugged into a mains socket.

FOR FURTHER SAFETY INSTRUCTIONS, REFER TO THE SEPARATE SAFETY SHEET ENCLOSED WITH SIROCCO.

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Credits

This manual was written by Brendan Cooper and illustrated by Nick Noble. It is a product of VideoLogic Limited, Home Park Estate, Kings Langley, Hertfordshire WD4 8LZ, United Kingdom.
Second Edition 23 February 1999

Introduction

A Revolution in PC and Consumer Audio

Thank you for buying Sirocco. Designed and built to exacting professional standards, the Sirocco system sets a new standard for multimedia loudspeakers.

Sirocco's amplifier is packed full of the latest technology. Its fully active design accurately splits up the audio signal, and sends each part to its own dedicated amplifier – six amplifiers in total, one for each mid-range drive unit, one for each high-range drive unit, and two bridged amplifiers for the subwoofer.

The amplifier also has professional features to give you total control of the sound produced. Instead of separate bass and treble controls, which give unpredictable and unsophisticated results, its Attitude control uses a dual-shelving filter to graduate the entire audio profile from rich, deep bass through to clear, high treble. This, plus separate control of the subwoofer's volume, maintains the sound's integrity while delivering exactly the results you want.

Sirocco is also one of the most powerful multimedia speaker amplifiers around. Due to the power supply's high-performance toroidal transformer and massive 28000 μF of smoothing, Sirocco delivers 100W true RMS while maintaining ultra-low distortion even at high volumes.

The attention to audio excellence naturally extends to the loudspeakers. Plastic cases are out – here you'll find wood construction MDF cabinets, containing polymer and paper fibre cones designed and built by audiophile professionals.

The end result is power with precision, control and clarity. If you're a PC gamer, you're about to find out just how realistic those explosions are, and if your sound card has 3D positional audio capability, then Sirocco's wide frequency response and phase accuracy will dramatically improve the sound placement. And if you're into hi-fi, you're going to get great sound whether you're listening to music from your CD, MiniDisc, personal stereo or PC.

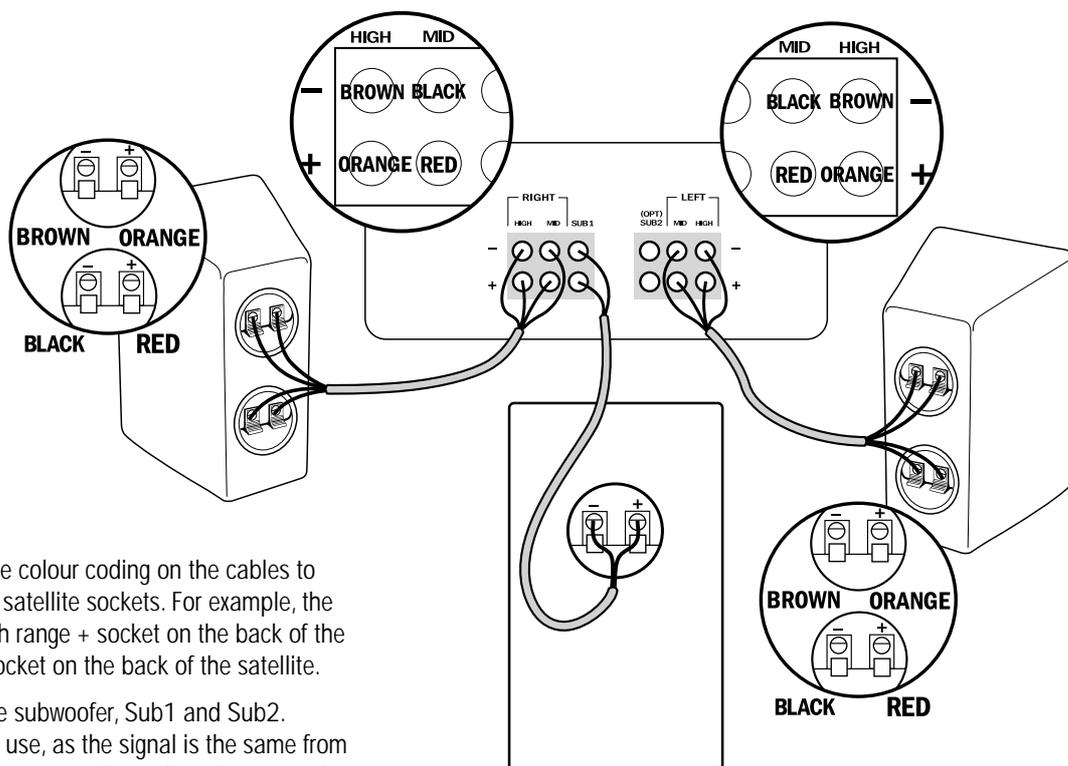
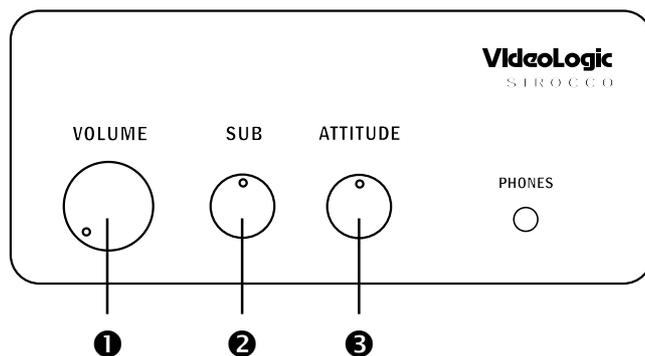
Whatever you use it with, Sirocco will astonish you with its detail, control and raw power.

But don't just read about it. Follow the safety instructions on the facing page and safety sheet, connect and set Sirocco up, and discover for yourself the best multimedia speaker system around.



Connecting

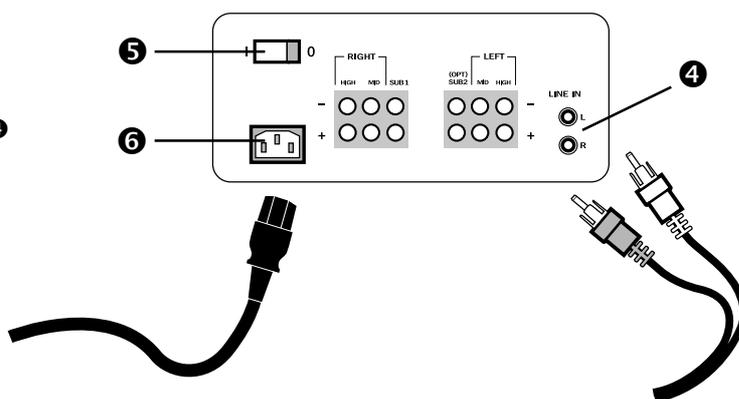
Familiarise yourself with the controls on the front of the amplifier now. Volume **1** controls the loudness of the sound produced; always make sure this is set to zero before switching the amplifier on, by turning it anti-clockwise as far it will go. Sub **2** controls the volume sent to the subwoofer, relative to the Volume control. Attitude **3** controls the ratio of bass to treble, giving a smooth transition from a bass-rich sound to a clear, treble sound. Set Sub and Attitude to their neutral positions, as shown in the diagram.



To connect the satellites, use the colour coding on the cables to match up the amplifier and the satellite sockets. For example, the orange cable goes from the High range + socket on the back of the amplifier, to the High range + socket on the back of the satellite.

There are two socket sets for the subwoofer, Sub1 and Sub2. It doesn't matter which one you use, as the signal is the same from both. However, if you want to connect another subwoofer it must be VideoLogic-approved. Make sure you connect + on the back of the amplifier to + on the back of the subwoofer, and - on the back of the amplifier to - on the back of the subwoofer.

Connect the left and right phono connectors of your line level device (for example, your MiniDisc, personal CD, keyboard, CD player or PC sound card) to the left and right line in sockets **4** on the back of the amplifier, using the cable supplied. Make sure the amplifier is switched off at the power switch **5**, and that the volume **1** is turned down. Connect the power lead to the power socket **6** on the back of the amplifier.



Positioning

General

Here are some general rules of thumb you can use for positioning Sirocco's units. They are only recommendations – the keyword is 'experiment', until you get a set-up and a sound you like. You will also find that the product performance increases after the first 24-48 hours of operation.

Amplifier

The amplifier fits neatly on top of the subwoofer, but if you want to place it somewhere else, make sure it is well-ventilated. Try to put it on a hard, even surface such as your desk, or a hi-fi stand.

Take especial care to make sure the ventilation holes at the top and bottom are not obstructed. If you obstruct these holes you may cause the amplifier to overheat, which could damage it and invalidate your warranty.

Satellites

With a PC

When using Sirocco with a PC, the way you position the satellites depends on whether you want to play games or listen to music.

If you are playing games, place the satellites on either side of your monitor, so that sound comes from the same source as the image. To get the best sound, try to keep the satellites level with or in front of the monitor, but not further back because then the monitor may mask the stereo image. Unlike normal hi-fi loudspeakers, the Sirocco satellites are magnetically shielded, so they will not damage your monitor if they are placed next to it.

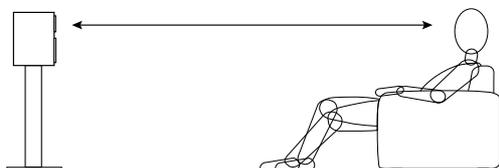
If you want to listen to music, experiment with moving the satellites further away from the monitor, or setting Sirocco up as a hi-fi system, as explained below.

As hi-fi

The quality of Sirocco's sound is affected by the way you position the satellites relative to each other, to you, and to your room.

Try and place yourself the same distance from each satellite. A general rule is that the distance between the satellites should be about 75% of the distance between you and each satellite. So, for example, if the distance between you and the satellites is 1m, place the satellites .75m apart; if the distance is 2m, place them 1.5m apart; if 3m, then 2.25m apart; if 4m, then 3m apart, and so on. You can also try turning the satellites inwards a little so that they point towards you rather than straight down the room.

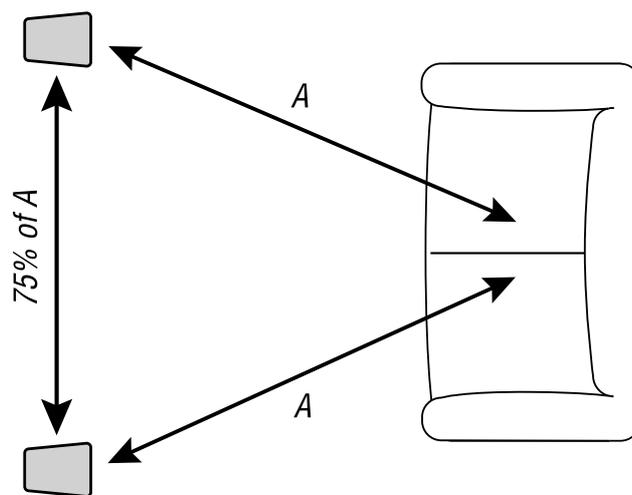
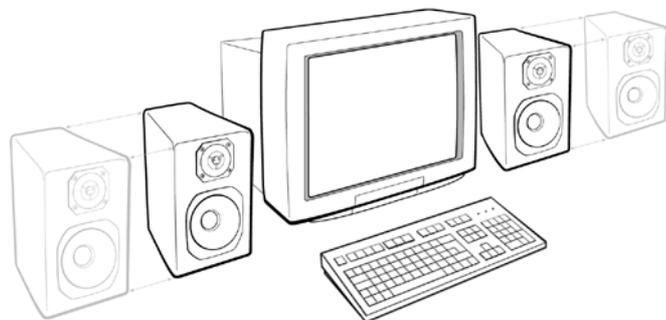
Try to position the satellites so that the top, high-range cone (the tweeter) is at about the same level as your ears. Loudspeaker stands are ideal for this.



Subwoofer

You can place the subwoofer virtually anywhere you want, but generally the closer a subwoofer is to the walls or floor, the more bass it will generate.

After placing the subwoofer, you can then adjust the amount of bass by using the Sub control on the amplifier. For the best results, make sure the bass reflex port (the hole at the front of the subwoofer) isn't obscured.



Troubleshooting

Solving the problem

These are some of the most likely reasons for problems you might have with Sirocco. Please make sure you go through them before contacting technical support.

I can't get any sound.

Make sure that the amplifier and audio source are:

- switched on.
- connected properly.
- producing sound. Try listening through headphones to confirm this. If not, make sure the volume is not set to zero.

If you have connected Sirocco to a PC sound card, make sure the Windows volume control isn't set to mute, by double-clicking the speaker icon on your Windows taskbar.

Make sure all the cables are properly connected.

The sound has too much or too little bass.

Try adjusting the Sub control on the amplifier.

If your audio source has tone controls, set them to neutral.

If you have too little bass, make sure the bass reflex port (the hole at the front of the subwoofer) isn't obscured.

Make sure the subwoofer and satellites are properly connected.

There is sound, but it is very quiet.

Make sure the Volume control on the amplifier isn't set too low.

If your audio source has a volume control, make sure it isn't set too low.

Make sure the audio source is properly connected.

If you have connected Sirocco to a PC sound card, make sure the Windows volume control isn't set too low, by double-clicking the speaker icon on your Windows taskbar.

Make sure you have wired the satellites the right way up, so that the high range sockets on the satellites are connected to the high range sockets on the amplifier, and the same for the low range sockets.

Audio sounds distorted.

If your audio source has a volume control, make sure it isn't set too high.

Make sure you are using a line-level audio source, and that the signal isn't being amplified before it connects to the amplifier.

Make sure all the cables are properly connected.

A high-range, low-range or subwoofer channel isn't working.

You may have pushed the speaker cable too far into the socket at the back of the speaker or amplifier. This can cause the socket to contact with the cable's insulating jacket rather than the metal connector, which stops the signal from getting to the channel.

Pull the cable out until you are sure there is a metal-to-metal contact between the connector and the socket.

One of the satellites is not producing sound.

This could be a problem with the satellite, the audio source or the amplifier.

Go through these steps to find out which:

1. Swap the left and right phono leads at the back of the amplifier.

If the same satellite remains dead, go to step 2.

If the satellites swap too, that is, the dead satellite becomes live and the live satellite goes dead, the problem is with the audio source or the cables, so make sure the source is working and that the cables are properly connected.

2. Replace the phono leads as they were on the back of the amplifier. Now swap all the right satellite cables on the back of the amplifier with all the left satellite cables.

If the same satellite remains dead, the problem is with the satellite.

If the satellites swap too, that is, the dead satellite becomes live and the live satellite goes dead, then the problem is with the amplifier.

In either event, contact VideoLogic using the details below.

Contacting technical support

If you still have a problem with Sirocco, either visit our web site at <http://www.videologic.com/> for the latest support information, or contact us using the details below.

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support +1 888 618 3579
fax +1 888 336 1197
e-mail support_usa@videologic.com

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fax +49 (0)6103 311022
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e-mail support_gmbh@videologic.com

All other countries

support +44 (0)1923 277477
fax +44 (0)1923 270188
e-mail support@videologic.com

Repair program

Do not use Sirocco for sustained periods at high volume with an input signal above line level (i.e. amplified before it reaches the amplifier). Due to the high power capability of the Sirocco amplifier, this may damage the loudspeaker cones.

Should this happen, VideoLogic offer a low cost return to base repair program on evidence of proof of sale (for example, a receipt). Contact VideoLogic for details.

Technical specifications

General

Minimum System Requirements: PC with sound card, or any stand-alone audio source with line-level output.

Cables supplied: IEC mains cable, 3.5 mm stereo jack to phono and loudspeaker cables.

Approvals: CE marked. Compliant with the EMC and Low Voltage Directives (89/336/EEC and 73/23/EEC).

Dimensions:

Satellites: 130 mm (W - front) x 80 mm (W - back) x 200 mm (H) x 150 mm (D)

Subwoofer: 235 mm (W) x 420 mm (H) x 370 mm (D)

Amplifier: 204 mm (W) x 86 mm (H) x 340 mm (D)

Technical support: Technical hotline and Internet web site.

Warranty: Two years.

Loudspeakers

Subwoofer

Wood construction MDF cabinet, containing magnetically shielded bass drive unit.

Low frequency drive unit: Audax 6.5" cone (35 Hz to 130 Hz)

Satellites

Wood construction MDF cabinets, each with mid-frequency (bass/mid) drive unit and separate high-frequency drive unit (tweeter), both magnetically shielded.

Bass/mid frequency drive unit: Audax 4" cone (130 Hz to 3.8 kHz)

High frequency drive unit: Audax 10 mm polymer dome (3.8 kHz to 20 kHz)

Amplifier

Two independent amplifiers per satellite (for bass/mid and high unit), plus two bridged amplifiers for subwoofer.

Self Peak Instantaneous Temperature ($^{\circ}\text{Ke}$) (SPiKe™) Protection Circuitry for protection against overvoltage, undervoltage, overloads, including shorts to the supplies, thermal runaway, and instantaneous temperature peaks.

Power supply unit: Dual rail toroidal transformer with 28000 μF of smoothing capacitance.

Power output: 75 watts RMS at 0.5% THD.

Frequency response: < 3 Hz to >100 kHz.

THD (nominal output): Less than 0.01% at 1 kHz.

Input sensitivity: 200 mV

Controls: Power on/off, Volume, Subwoofer volume (relative to main volume), Attitude (dual shelving filter for mid/high frequency tone adjustment, ± 6 dB range).

Connectors: Gold plated phono inputs; individual outputs to each speaker unit; 1/4" headphone jack on amplifier front panel; IEC mains inlet.

Internal power supply: 220-240V AC 50 Hz.

Please return your registration card to your nearest VideoLogic centre.

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